

Billington Export Limited

Unit E1, Gillmans Industrial Estate
Billingshurst, West Sussex, RH14 9EZ
England, UK

*We need to check stock, prices & data on our computers or books.
This cannot be done while you wait on the phone, so email communication is preferred, thank you.*

Preferred contact method: sales@bel-tubes.co.uk / www.tave.co.uk

Tel: +44 (0)1403 784961 / NEW fax number: +44 (0)1403 783320

WHOLESALE VALVE CATALOGUE JANUARY 2022 v1

[Page 4 lists our terms and abbreviations](#)

PLEASE ENQUIRE ABOUT ANY TYPE NOT LISTED.

*We list the more unusual types, without prices, in our Stocklist located
via www.tave.co.uk home page, click on bottom left link Stocklist*

We have approximately 1 million valves in stock
In the tube and valve business since 1981 and located at our Billingshurst UK warehouse since 1992

Visitors to our premises **by appointment only** please.

Most tubes & valves in our warehouse are NOT already tested as this is done after a
definite order is placed.

If you would like to collect goods from our premises, please state specific items required
3 working days before your pre-arranged visit, so that we can collect items from one of our
buildings and carry out testing etc, thank you (we are closed Saturday and Sunday).

We like to help, but please understand that we are a wholesaler, not a retail shop.
Often we can improve on the 3 days mentioned above, if it's agreed in advance.

Important information including "HOW TO ORDER" on the last 10 pages of the catalogue.

PLEASE READ

Billington Export Limited

From 1 January 2021, if you live in the European Union then you can order from us without paying VAT. VAT maybe charged by the Customs office in your own country. There is no duty to pay, if we ship from our warehouse in England to our valued clients in the European Union.

This catalogue is only a guide. All items are NOS unless stated.
Prices are usually accurate, but please contact us to confirm final prices & quantities.
PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

Billington Export Limited

The Company

Martin Billington and his father started trading in 1981 as Billington Valves selling valves and government surplus items such as Morse keys from his garage at home in Horsham. The business expanded and in 1989 he moved to a small factory unit in the nearby village of Bolney. The business continued to expand rapidly into overseas markets and in 1991 Billington Export was formed.

The premises at Bolney soon became restricted for the four members of staff and in 1992 Billington Export moved to the current premises at Billingshurst. 1994 saw the introduction of their own brands, "Thermionic" and "Billington Gold" and in 1995 the purchase of a second, two storey and freehold warehouse next door to the existing facility.

The computerised Stock Control system has been extended to include invoicing, sales analysis and catalogue preparation, which reflects Billington Export's positive approach to providing a fast and efficient service to its customers.

To meet customers' needs for rare and obsolete items, over one million valves, plus CRTs, magnetrons and sockets are now held in stock, including large quantities of Chinese and Russian items as well as famous old brands such as Mullard, GEC, Sylvania etc.

Most valves carry a "no fuss" guarantee. Statutory rights are unaffected [full details in back pages].

Billington Export's customers include amongst others; audio enthusiasts, audio shops, amplifier manufacturers, aviation establishments, government and military establishments. We have specialist test facilities on site as well as access to extra high power test facilities from outside consultants.

The Company's most valuable asset is its team of carefully chosen people who dedicate each working day to maintaining the high standards of quality and service for which Billington Export has become so well known.



A. H. Billington
Senior Partner
Retired 1991



M. H. Billington
Managing Director 1981 to
date

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INDEX OF TERMS AND ABBREVIATIONS

ALTERNATIVES	If we say, "An alternative to EF86", this does not mean it is an equivalent. If you are building equipment you might modify the circuit, socket, etc, (to adapt the circuit, to use the alternative cheaper tube, instead of rare and expensive "classic" UK/USA made tubes like EF86). If you're investing in tubes for future audio amplifier building, tubes described as "alternative" are lower cost, more plentiful and worth considering. Ask for free data, we can often help.
Audio rectifier / audio triode	Tubes that can be "adapted" for audio purposes. As tubes becomes scarcer, people are adapting low cost "non-audio tubes", to possess a good stock for the future. "Audio rectifier" means tubes that can be adapted for audio, although when first built, 40, 60 or 80 years ago, their primary function was non audio.
Audio type	These types are already established in amplifier use.
BB	BUBBLE BAG. Some used valves and Grade One valves costing less than GBP2.00, will now be supplied in bubble bags.
BILLINGTON GOLD	Tested within very tight limits and inspected for superior physical conformity. Guaranteed. A good reputation worldwide, especially amongst Asian audiophiles. Blue/red/gold original box. Statutory rights are unaffected.
BP	BULK PACKED. Valve is packed in "bulk pack" or "egg crate".
Conditional guarantee	GUARANTEE limited to that offered to us by the individual suppliers concerned. These suppliers usually give free of charge replacements in the unlikely event of any problems, depending on the technicalities of any returned item. Statutory rights are unaffected.
GVT	GOVERNMENT BOX.
G1	GRADE ONE BOX. Packed in our own attractive Grade One box and packaging.
MIXED	A random selection of good brands. If you wish to specify particular brands please add an extra GBP1.00 per valve for sorting.
NOS	NOS means "new old stock." Vintage made valves that are in new condition. NOS tubes are vintage manufacture, discontinued, rare and obsolete. New, yet old, hence NOS. 90 percent of our tubes are over 40 years old. If the original boxes "OB" have not survived the years, then we supply the valves in clean white boxes "WB". Our catalogue will show "OB" or "WB" accordingly. All of the above is standard practice throughout the valve industry. Statutory rights are unaffected. We want you to be satisfied. Unless specifically marked otherwise, all tubes carry our "no fuss" guarantee.
OB	ORIGINAL BOX – if denoted 'original box' we will supply to you in the manufacturer's old original individual boxes.
POA	PRICE ON APPLICATION - we might or might not have stock, please enquire.
Potential audio type	<p>* If you or your clients want to build audio amplifiers with fresh, innovative types of tube, then "potential audio types" are for you.</p> <p>* Our consultants have successfully built audio amplifiers with many of these types. Potential audio types are better value for money compared with "well-known" audio valves (such as ECC83, 300B, EL34, KT88 etc).</p> <p>* The advantage to you of these types is that for a lower cost you get a UK/USA made item. UK/USA are often expensive and very limited in quantity.</p> <p>* Potential audio types are available in good quantities, good quality and a low price.</p> <p>* Please refer to "audio rectifier." Further up this page.</p>
PRICE	All prices are in British Pounds Sterling (GBP). Please contact us for confirmation and current quotation. All items are offered subject to prior sale. Quantities available and prices vary. Unless specified otherwise all prices, including bulk offers eg 4 pieces @ GBP50, are for one tube .
SIMILAR	When we refer to a tube as being similar it means that the data is close to that of the original tube but the data/socket/pinout may be different. Please ask us for a data sheet, which should provide the necessary information. See also "similarities".
SIMILARITIES	When we refer to a tube as having similarities to another, this means that the data is fairly close to the original, but the data/socket/pinout may be significantly different, so the circuit may require modification. <i>If you're investing in tubes for future audio amplifier building, these UK/ USA made tubes are worth considering as there is a good supply of them at sensible prices, especially if new designs are being considered.</i>
USED	Ex-equipment/pulls, not new appearance but carefully tested, with clean appearance. With guarantee. Statutory rights are unaffected.
WB	Unless clearly stated as Used , white-boxed items are genuinely new, clean, with guarantee. NOS. Statutory rights are unaffected.

This catalogue lists our most popular lines but is not a complete listing of our stock.
If you cannot find the item you want listed please ask as we may have it in stock.

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Billington Export Limited

The Catalogue

Our aim is to provide top quality tubes at competitive prices, to our customers all over the world. We try to treat our customers as we would want to be treated.

WE have 1,000,000 tubes at our 2 UK warehouses, so if you need tubes for audio, industrial use, radio or other purposes, we most likely have it in stock.

Demand for audio tubes / valves continues to increase. We stock over one million rare and obsolete tubes and valves including brands such as Mullard / GEC / STC / Brimar and other classic brands such as RCA, Sylvania, Siemens, Telefunken, AEG, Tungram, RFT [Germany] and Tung-Sol, all of whom stopped manufacturing around 40 years ago.

We also stock sockets and top caps. Please refer to the socket section at the end of this catalogue. The quality of current production Chinese tubes and valves has greatly improved. We also stock Sovtek [Russia], Svetlana [Russia], JJ [Slovakia], Ei [Yugoslavia], Western Electric & KR Ent. [Czech Republic].

This catalogue contains lists of:

Camera tubes	CV types
Klystrons	Industrial Valves
Magnetrons	Magnetrons
Photomultipliers	RF Heating Valves
Thyratrons	Travelling Wave Tubes
Transmitter Valves	TR Cells
Chinese, Russian and EI [former Yugoslavia] Valves, all types available, please enquire.	

Please ask for our separate catalogue of CRTs

Please telephone, fax or e-mail for prices and availability

This catalogue gives only brief information, should you require any further details regarding any type not listed please do not hesitate to contact us. We have a constantly moving stock and new items are always becoming available.

If you wish to visit, this needs to be arranged in advance with Martin Billington.

Please complete the form near the end of the catalogue and send to us before your visit, allowing at least 2-3 days for valve / tube preparation, thank you.

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Billington Gold

Long known as specialists in rare valves, Billington Export Ltd provides a line of premium grade valves to fill the increasing demand for hard-to-find valves!

Billington Gold valves are individually tested within very tight limits and inspected for superior physical conformity and mechanical construction.

Billington Gold valves make Valve Amplifiers sound better.

Billington Gold valves are:

- Selected from the best world-wide manufacturers with emphasis on the highest audio quality and product reliability.
- Selected for long life, low microphony and low noise.
- Guaranteed for 12 months from dispatch date. Statutory rights unaffected
- Supplied with original logo and in an attractive blue/red/gold original box.
- Gold plated pin versions are available.

Billington Gold valves have a good reputation world-wide especially amongst Asian audiophiles.

If your order consists ENTIRELY of **Billington Gold** items, then dispatch of your parcel will be faster than orders of other brands. Same day dispatch is sometimes possible on Billington Gold items.

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Billington Export Limited

Grade One Valves You Can Rely On

Grade One valves are slightly used items of best physical appearance.

Unless stated otherwise they have small stains in the glass. Stains may also mean small imperfections to getter, base, etc.

OCCASIONALLY we have **Grade One** items with NO stains. These cost MORE THAN PRICES LISTED in this catalogue. Please enquire for prices.

In *all* cases **Grade One** items are individually tested to a *minimum* of **80 percent** emission [gm] and *minimum* of **80 percent** Ia. They are **guaranteed** and presented in attractive packaging. Statutory rights are unaffected.

Selected with the **audiophile** in mind.

Standard used valves sometimes have print missing making it hard to see the type number and brand logo.

Grade One valves always carry the type number and appropriate **logo** [**GEC, Mullard, Sylvania** etc.]

Grade One are superior in appearance and performance to usual used valves supplied by other companies.

Please refer to terms, conditions and guarantee section near the end of this catalogue.

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TYPE	COMMENT	BOX	£ GBP PRICE each
01A / 201A	These are 201A UX201A or other equivalents to 01A. They are globe shape, long pin. NOS.	WB	50.00 4 @ 35.00
01A /	These are 01A or equivalent to 01A. They are shoulder shape NOS.	WB	50.00
0A2	Please refer to OA2.		
0A2WA	Please refer to OA2WA.		
0A3	Please refer to OA3.		
0B2	Please refer to OB2.		
0B2WA	Please refer to OB2WA.		
0C35	Please refer to OB35.		
0C71	Please refer to OC71.		
0D3	Please refer to OD3.		
0RP12	Please refer to ORP12.		
01A / 201A Grade One	These are 201A or UX201A. Equivalent to 01A. They are globe shape, long pin. Tested as grade 1, good appearance. Some look or test nearly new.	G1	35.00 3 @ 33.00
1AD4	Raytheon USA. Potential audio type. This type is referred to in Vacuum Tube Valley magazine, Issue 13. This is a sub miniature tube with 1.25V filament. Data available free.	OB/GVT	3.00 20 @ 1.30 300 @ 1.00
1B3GT	Or CV1830 , GE, RCA, Sylvania and Westinghouse, USA. NOS. CV1830 high voltage rectifier. Approx 20 of each brand. Data http://www.mif.pg.gda.pl/homepages/frank/vs.html	Mostly OB	2.40 100 @ 2.00
1E7G	USA. NOS and guarantee. Includes Sylvania, GE & Westinghouse.	OB/WB	3.20 16 @ 3.00
1EP1	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	POA
1H5GT	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	POA
1L6	USA. NO	OB/WB	30.00
1N3883	Made in UK or USA. NOS/New. 6A 400V Fast Recovery Diode in military pack, minimum order 10 pieces.	GVT	10 @ 2.00 50 @ 1.60
1P39 / 929	These are 929. Equivalent or near equivalent to 1P39. RCA/other USA NOS.	OB/WB	60.00
1R5	RCA, Sylvania and Westinghouse, USA. NOS. A few Mullard, most have logos. Equivalent to DK91. B7G socket to fit from stock. Data: Vf=1.4V, If=50mA, Va=90V, Ik=2mA. More data and curves at http://scottbecker.net/tube .	Mostly OB	5.00 10 @ 4.50 50 @ 4.25
1S5 / DAF91	USA / UK NOS. Several brands including Ediswan, RCA, Tung-Sol & Westinghouse.	GVT	2.50 100 @ 2.00
1T4 / DF91	West European/USA. NOS. Tested, with guarantee.	OB/WB	4.50 10 @ 3.00 100 @ 2.40
1U4	RCA, Sylvania and Tung-Sol, USA. NOS. Audio pentode. Clean and with guarantee. Sets of 200 or more identical brand and appearance. Potential audio type. Long lasting good quality signal valve. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheets17.html	OB/GVT	4.50 5 @ 4.00 1,000 @ 3.50
1U5	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	POA
2A3	Chinese standard 4 pin manufacture, please refer to 2A3B.		
2A3	Chinese 8 pin, when available. Rare, expensive.	WB	POA
2A3	Chinese. Please refer to 2A3B equivalent.	OB/WB	34.00
2A3	RCA logo, USA. NOS. If ever available GBP90 wholesale double anode. GBP360 single anode.	OB/WB	POA
2A3	USA. NOS. Brimar, Sylvania, Westinghouse etc. When available GBP80.	WB	POA
2A3	Mix USA brands RCA / other.	WB	50.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
USED	Test 65 percent emission with logo and guarantee.		4 @ 45.00
2A3 / 2A3B	These Chinese 2A3B plug in to replace 2A3 in all cases. New, tested by Billington in UK, guaranteed. Made in China by GG.	OB/WB	40.00
2A3B	These Chinese 2A3B plug in to replace 2A3 in all cases. Unused, look new and clean guarantee but test 65- 85 percent emission. GG/Golden Gate brand	WB	21.00 20 @ 17.00
2A3B	These Chinese 2A3B plug in to replace 2A3 in all cases. Unused, look new and clean guarantee but test 65- 85 percent emission. Psvane logo.	OB	22.00 8 @ 19.00
2A3 / 2A3-40 JJ	JJ logo NOS Slovakia. If available.	OB	POA
2A5	USA NOS. Audio circuit for 2A5 at http://diytube.com/phpBB2/viewtopic.php?p=17743	OB/WB	13.00
2A6	Fivre Italy NOS. Audio diode/triode [UX6 socket, to fit, in stock]. Data http://tubedata.itchurch.org/sheets21.html	WB	5.00 5 @ 2.80
2BP1	CV3678. Made by RCA in USA, for the British Government. 2 inch CRT. NOS.	OB/WB	16.00 20 @ 14.00
2BP31	Made by Brimar UK 2 inch CRT. NOS.	OB/WB	12.50 30 @ 11.00
2C22	USA NOS. Audio type, stock. Please refer to 7193 equivalent.	OB	POA
2C26 / 2C26A	West European made, including Brimar. STC.	OB/WB	3.00 30 @ 1.80
2C34	GEC UK. NOS. Raytheon. NOS. With guarantee. Potential audio type. Photo/data www.r-type.org/exhib/aac0019.htm scroll down for the data pdf.	GVT	10.00 10 @ 7.00
2C39A	ITT/STC UK and Matchlett, USA.	WB	35.00 50 @ 20.00
2C39BA / 7289	RT logo made in France. NOS. Uniform and with guarantee. This RF transmitter triode can be adapted for audio. A sheet discussing audio application can be emailed on request. Might make a powerful audio amplifier. 100W! Near offers considered for 20 pieces or more. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheets23.html	OB	25.00 20 @ 20.00 100 @ 10.00
2C39BA	GE USA and STC UK.	WB	35.00
2C40	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	POA
2C46 / CV2933	Mullard, UK NOS. 2C46 is a high gain, broadband lighthouse triode. Data www.r-type.org/exhib/aaa0132.htm	GVT	9.00 60 @ POA
2C51	Please refer to 5670 . Equivalent to 396A.		
2C51 / 396A	Western Electric logo. USA NOS. Square getter, black anode.	OB	POA
2C51 / 396A USED	Western Electric logo. Square getter, black anode. USA made. Used but test approximately 65 to 75 percent emission.	Used OB	22.00
2C52	NOS, tested uniform, clean. Guaranteed. USA brands like Westinghouse, Raytheon etc. Sets of 2 or 4 pieces identical. This is an octal base tube, partly similar to ECC83/ 6SL7GT. Data in vade mecum, or at http://tdsl.duncanamps.com/pdf/vm345.pdf	WB	15.00 8 @ 12.00 16 @ 10.00
2C53	USA brands including GE.	GVT	18.00
2D21	Raytheon logo. USA NOS, guaranteed.	OB/WB	5.00 4 @ 4.50 48 @ 4.25
2D21	Brimar logo. Imported NOS, guaranteed.	OB	5.00 16 @ 4.50
2D21	Russian made. NOS. Guaranteed.	WB	4.00 50 @ POA
2D21	Please refer to 5696 for super low cost possible alternative, not equivalent.		

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TYPE	COMMENT	BOX	£ GBP PRICE each
2D21 / EN91	Mullard / Philips, made in UK / Holland.	OB/WB	7.50 24 @ 6.00
2E24	80 RCA logo & 200 Hytron logo, USA. NOS. Octal base. *Suitable as an audio output tube with over 50 watts in class AB2!* Data: Vf=6.3V, If=650mA, Va=500V, Ik=75Ma and http://frank.pocnet.net/sheets21.html Photo www.tave.co.uk	GVT	4.50 180 @ 3.00 280 @ 2.90
2E32	Please refer to 6611 for a possible alternative, not identical.		
2J55	Chinese made, NOS. 90 day guarantee. 1 ONLY.	OB/WB	150.00
2K25	Mullard, UK NOS. Klystron.	GVT	30.00
2N43A	Transistor. USA or UK made. NOS. VINTAGE GERMANIUM PNP TRANSISTOR. Not substitutes, but actual 2N43A marked. Great for fuzz box construction. Long leads.	OB/WB	4.00 25 @ 3.00 500 @ 2.50
2N1308	Transistor. USA or UK made. NOS. VINTAGE GERMANIUM TRANSISTOR. Not substitutes, but actual 2N43A marked. Great for fuzz box construction.	OB/WB	2.30 25 @ 1.63
2N5172	Transistor. USA or UK made. NOS. 25 pieces for GBP20. Equivalent to 0.80 GBP each but we cannot split the 25 pieces	OB/WB	20.00
2P	Cossor, UK NOS audio triode. If available, then estimated wholesale price is GBP200.	OB	POA
2X2A	USA NOS. Brands include RCA, National Union and others. You will receive 5 pieces identical brand. Appearance may vary. Guaranteed.	Most GB	2.50 5 @ 1.80 300 @ 1.50
3-200A3	Alias GL-592. Huge triode, possible audio application. Data https://www.radiomuseum.org/tubes/tube_gl592.html GE, USA NOS, guaranteed.	OB/WB	100.00 3 @ 90.00
3-400Z	Eimac, USA made NOS. With guarantee. We have sockets for these.	WB	POA
3-500Z = 3-500c	Chinese made. NOS Tested, guaranteed. Socket 5FB fits. Same price for retail or wholesale.	OB/WB	130.00
3-500Z	Eimac, USA. NOS. Occasionally available.	OB/WB	POA
3-1000Z	Huge triode, possible audio application. Eimac, USA. NOS. Approximately 20 years old. Tested and very clean with guarantee. One piece only. Eimac no longer make this tube, but Amperex recently charged over 2000GBP. Data http://electronbin.com/sheets3.html	OB	400.00
3-1000Z USED	Huge triode, possible audio application. Eimac, USA. NOS. Approx 20 years old. Tested used, decent appearance with guarantee. One piece only. Data http://electronbin.com/sheets3.html	OB	200.00
3A4	Mullard, Siemens and Valvo, West European brands.	OB/WB/ BP	3.00
3A4	DL93 NOS Mullard, Valvo, RT, Westinghouse. USA / West European brands. Matched pairs possible. Data http://electronbin.com/sheets3.html	OB/WB	3.00 10 @ 2.50 100 @ 2.00
3A4 / DL93	NOS Mullard, Valvo, RT, Westinghouse. USA / West European brands. Matched pairs possible. Data http://electronbin.com/sheets3.html	OB/WB	3.00 10 @ 2.50 100 @ 2.00
3A5 / DCC90	RCA logo USA. NOS. Square getter. Audio double triode. Data on request. 300 pieces the same appearance.	OB	6.50 50 @ 6.00 100 @ 5.50 300 @ 5.00
3A5 / DCC90	USA NOS, tested with logo. 30 Westinghouse, 30 Sylvania, 30 Raytheon.	Most OB	6.50 10 @ 6.00 90 @ 5.50
3A-107A	STC logo, UK NOS. 1 or 2 pieces.	GVT	50.00
3A-107B	STC logo, UK NOS. Balloon shape. 1 or 2 pieces.	GVT	72.00
3A-107B	STC logo, UK NOS. ST "Coca-Cola" bottle shape. 1 or 2 pieces.	GVT	52.00
3A-108A	STC logo, UK. NOS. Tested/guaranteed. Audio triode. Socket to fit in stock. Ref SOC4-110A.	GVT	45.00 20 @ 35.00

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3A-108A USED	STC logo, UK. Wholesale guide price GBP25, if available.	WB	POA
3A-108B	STC logo, UK. NOS. Tested/guaranteed. Audio triode. Socket to fit in stock. Ref SOC4B4-B5A. See also TS9 near equivalent.	GVT	60.00 2 @ 55.00
3A-109A	STC logo, UK. NOS guide price GBP60 if available.	WB	POA
3A-109B	STC logo, UK. NOS. Audio triode. When available guide price GBP85.00	OB/WB	POA
3A-110A	STC logo, UK. NOS. Audio triode. We have sockets to fit.	OB/WB	50.00 16 @ 40.00
3A-110A USED	STC logo, UK. Used and tested. Guide price GBP25 wholesale.	GVT	POA
3A-110A USED	STC logo, UK. Used and tested only 50-60 percent emission. NOS has emission 2.2 ma/v, these are 1.1 or 1.3 ma/v. Data/photo www.tubecollector.org/3a110a.htm . Due to low emission these are 33 percent of normal price.	GVT	17.00
3A-110B	STC logo, UK. NOS. Audio triode. 4 only. We have sockets to fit.	OB/WB	75.00
3A-141A / 4101D	STC logo UK NOS 3A-141A, near equivalent to 4101D. Data http://electronbin.com/sheets3.html	O/WBB	100.00 4 @ 80.00
3A-142A	Equivalent to 102D / 4102. These 3A-142A are STC logo UK NOS. 2 pieces the same. Audio triode. Data http://electronbin.com/sheets3.html	GB	110.00 2 @ 105.00
3A-144A	STC equivalent to W.E. 104D rarely available.	WB	POA
3A-167M	CV5112 STC logo, UK. NOS. Data on the home page of www.tave.co.uk , sometimes available at GBP250 wholesale price for NOS. Please enquire.		POA
3A-167 / 5A-180M	These 5A-180M are STC UK, NOS logo. 5A-180M pentodes can be triode connected to give GM32, 5A-180M are similar to 3A-167M (GM45), though not equivalent. 5A-180M is similar to 436A 437A EC8020 E55L, BUT NOT equivalent. 5A-180M data/photo http://www.r-type.org/exhib/aa0143.htm	Most OB	40.00 3 @ 37.50
3A-167 / 5A-180M USED	These 5A-180M are STC logo, used, tested. UK made. 2 pieces only. DATA & equivalents listed in NOS paragraph above.	Most OB	25.00
3A-172B	STC logo Vintage UK, NOS. 3A/172B is a HIGH gain (mu=30), audio triode signal tube with a B7 British base. Sockets to fit from stock refer 7PT4 or 7PT4C. Heater 12.6v @ 0.2a, anode 250v, mutual conductance 3, amplification factor 30. This audio triode is equivalent to HL1320 CV1679. Tested/guaranteed. Data http://tubedata.tubes.se/index.html Photo/data www.tubecollector.org/cv1670.htm	OB	15.00 50 @ 12.00
3AMP1 3B4	Please refer to DG7-32 . Audio pentode. USA NOS clean, guarantee Hytron/CBS, USA, NOS (Hytron and CBS merged in 1950 approx). 3B4: Vf=1.25V, Ik=25mA, S=1.7mA/V, Pa=3W. Photo & brief data http://www.radiomuseum.org/tubes/tube_3b4.html Data http://tubedata.milbert.com/sheets31.html	OB/GVT	1.50 500 @ 1.20
3B24W	All NOS. 20 pieces, Ediswan/Mazda UK NOS.	OB/WB	9.00 20 @ 7.50
3B24WA / 3B24WB	Various USA NOS. Cetron, Westinghouse and others.	Most OB	6.00 52 @ 4.50
3B28	50 RCA logo. USA NOS. Tested/guarantee. Audio half wave rectifier. Data: Vf=2.5V, If=5000ma, Va=5000V, Ik=500ma. Photo www.tave.co.uk www.tubedata.org Very useful rectifier. Suits 211, 805, 810, 845. 'D' getter version.	GB	20.00 20 @ POA
3B28	Made in UK by GEC or Mullard. NOS, tested, guaranteed. Few only.	Most OB	20.50
3B28	Philips logo. Made in France or Holland. NOS. UX4 Base. Audio half wave rectifier. They are printed DCX/4-1000. 3B28 data: Vf=2.5V, If=5000mA, Va=5000V, Ik=500ma. More data www.tubedata.org Very useful rectifier. Suits 211, 805, 810, 845. 'D' getter version.	OB/GVT	16.00 10 @ 14.00 100 @ 11.00

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
3B28	USA NOS except RCA Audio half wave rectifier. Data: Vf=2.5V, If=5000ma, Va=5000V, Ik=500ma www.tubedata.org	OB/WB	15.00 150 @ 10.00
3B28 Grade One	GEC UK with GEC sticker. Tested as Grade One.		9.00 20 @ 7.00
3B-240M	STC logo, UK NOS. Audio triode with Loctal base 89MA. Tested and guarantee. A high gain triode. 37 watts from only 325v anode voltage. We saw these in audio amplifiers in Japan. Photo www.tave.co.uk Data: Vf=6.0V, Va=300V, S=27mA/V or http://frank.pocnet.net/vademecum0.html	GB/WB	30.00 12 @ 20.00
3BP1	3 inch CRT. NOS. 4 only.	OB	20.00
3BU8	USA NOS. Most with logo. Some similarities to ECF80, but ECF80 has separate cathodes. Potential audio type. Data http://tubedata.itchurch.org/sheets31.html ECF80: Vf=6.3V, If=430mA, Va=250V, Ik=14ma, S=6.2mA/v, Pa=1.7W. 3BU8: Vf=3.15V, If=600mA, Va=275V, Ik=18ma, S=1.5mA/v.	OB	2.40 30 @ 2.20 500 @ 1.75
3C23	Cetron, TungSol etc. UK/USA NOS. This 4 pin thyratron has similarities to 8 pin 393A Western Electric.	Most OB	25.00 6 @ 22.00
3C24	EEV, UK. NOS. Audio triode . Tested guaranteed. EEV was part of GEC.	GVT	50.00 More @ POA
3C24	Heintz logo USA. NOS. Audio triode. Tested guaranteed. Very popular tube, will be sold out quickly. 20 only left in stock...	GVT	50.00 20 @ 40.00
3C45	East European NOS. Clean and tidy. Guaranteed Data http://tubedata.itchurch.org/sheets31.html	OB/WB	10.00 5 @ 8.00 20 @ POA
3C45 / CV372	EEV UK. NOS. Clean and tidy. Guarantee is 12 months from despatch date. Equivalent to FX227 and 3C45.	OB/WB	40.00 20 @ 30.00
3CX1500A7	Chinese. Equivalent to 8877. Tested with guarantee. 2 weeks delay.	OB/WB	620.00
3CX3000A7	Chinese. Recent manufacture. Tested with guarantee. 2 weeks delay.	OB	745.00
3D6	Best Sylvania. USA. NOS. With logo. A battery amplifier pentode. Loctal sockets to fit this tube, from stock. Photo & data www.r-type.org/exhib/aad0188.htm	OB/WB	5.00 10 @ 4.00 60 @ 3.00
3D21A	STC logo, UK NOS CV2659. Audio tetrode/pentode, 3D21A suits class AB2 audio. Some similarities to EL34, differences include the pin out. Data with curves available. Makes a great electrostatic headphone amplifier, eg Singlepower Audio. Octal base. Data: Vf=6.3V, If=1.7A, Va typical =+250V, Ra=0.45K, Vg=-150V, Vg=800V, Gm=5.5mA/V. Photo www.tave.co.uk Data/curves http://tubedata.itchurch.org/sheets32.html	OB/GVT	9.00 10 @ 8.00 50 @ 6.66 500 @ 6.25
3D21A	Hytron logo, USA. NOS. Photo on request. Data http://electronbin.com/sheets31.html	GB/WB	14.00 30 @ 11.00
3D21WB	Tung-Sol, USA. NOS. With logo. Black base. Photo of similar item http://www.radiomuseum.org/tubes/tube_3d21wb.html Data http://scottbecker.net/tube/sheets31.html	Most GB	25.00 8 @ 20.00 20 @ 19.00
3D23 / 35T	These are 3D23 USA. NOS. A tetrode version of 35T. Library photo www.radiomuseum.org/tubes/tube_3d23.html Data http://electronbin.com/sheets31.html	Most GB	50.00 4 @ 38.00
3DP1	USA, 3 inch CRT. NOS.	GVT	30.00 5 @ 28.00
3J160E	UK made. NOS (equivalent to CV2245), UK made VHF transmitter triode. By STC UK. They handle 1 KW input at 120 MHz. Data http://scottbecker.net/tube/index.html	GVT	250.00 10 @ 220.00
3J170E	UK manufacture.	GVT	POA
3RP1	Made by RCA in USA, 3 inch CRT. NOS. Only 1 or 2, so decide quickly.	WB	80.00
3Q4	3Q4 DL95 mix USA, includes RCA, Tung-Sol, Sylvania. NOS but store	BP	6.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	soiled, some are lacking print. Made in the USA and supplied in egg tray / bulk pack. Max power output is 250mw. You can parallel 3 pieces in a SE configuration, similar to circuit 1. This circuit is available from our office. Or suitable as output tube for a headphone amp. Data http://tubedata.itchurch.org/sheets32.html		10 @ 5.00 100 @ 4.00 400 @ 3.50
3Q5GT	70 Sylvania and 100 Kenrad, USA. NOS. With logo. Possible Audio type. Vf=1.4V, If=100ma, Va=90V, Ik=10ma More data www.tubedata.org	GVT	2.75 170 @ 2.20
3RP1	RCA, USA. NOS. With logo. CRT/curved face. Offers considered if you order 30 pieces.	GVT	POA
3S4 / DL92	West European/ USA. NOS.	OB/WB	3.00 250 @ 2.00
3V / 121E	STC, UK. NOS. Stock.	OB/WB	5 @ POA
3V4 DL94	Mullard UK NOS, printed CV2983.	GB	3.33 30 @ 3.00
3X2500A3	Eimac, USA.	WB	POA
3X2500F3	Eimac, USA.	WB	POA
4-65A	Eimac, Amperex & other USA made. Equivalent to 4-65A. Radial beam pulse tetrode. NOS. Tested, with guarantee. Sockets to fit these are in stock.	OB/WB	30.00 10 @ 27.00
4-125A	Eimac, USA with logo. Audio type. NOS, tested guaranteed. Data: Vf=5.0V, If=6500mA, Va=3000V, Ik=350ma, S=2.5mA/v, Pa=125W. B5F sockets to fit this in stock. Data www.tubedata.itchurch.org	GVT	20.00 8 @ 18.00
4-250A	Or QB3.5-750 equivalent or 5D22. European made, eg Mullard, Philips, or USA made, eg GE, Eimac. Glass Audio Magazine 1997, shows class B audio triode operation. Sockets to fit in our stock. Anode dissipation 250 watts. Data on the tubedata.itchurch website.	GVT	75.00 6 @ 60.00
4-400A	Chinese. NOS. Tested with guarantee. (Sockets for this type ref. 5FB in stock). These 4-400A are printed as equivalent "QB4-1100GA. Huge potential audio type. Data: Vf=5.0V, If=14500mA, Va=4000V, Ik=350ma, S=mA/v, Pa=W. More data http://tubedata.itchurch.org/sheets4.html	GVT	100.00
4-400A	Eimac, USA. NOS. Socket to fit in stock, ref 5FB. Huge potential audio type. Data: Vf=5.0V, If=14500mA, Va=4000V, Ik=350ma, S=mA/v, Pa=W. More data http://tubedata.itchurch.org/sheets4.html NOS, tested by our supplier. Guaranteed for 12 months from dispatch date by Billington Export Ltd.	OB/WB	275.00
40400A USED	Eimac, USA. Used. Socket to fit in stock, ref 5FB. Huge potential audio type. Data: Vf=5.0V, If=14500mA, Va=4000V, Ik=350ma, S=mA/v, Pa=W. More data http://tubedata.itchurch.org/sheets4.html Used, decent appearance, not tested but guaranteed for 3 months. We cannot test these here at our UK warehouse.	WB	45.00
4-400B	Philips, France. NOS. (Sockets for this type ref. 5FB in stock.)		150.00
4-400C	Eimac, USA. Grade One. (Sockets for this type, ref.5FB in stock.)		111.00
Grade One 4-1000A USED	USA made. Used. These pass a low power test, but we cannot test at high power. Sent to you, for your testing. Guaranteed 90 days from dispatch date.	WB	140.00
4B32	STC / ITT UK. NOS. CV2518.	Most GVT	18.00 8 @ 16.00
4C27	West European or North American manufacture.	GVT	15.00
4C35	Russian, China or USA. NOS. 6 months guarantee.	OB/WB	56.00
4C35	UK. NOS. EEV Mullard, etc. includes equivalent such as CV1787, FX2505. 6 months guarantee.	OB/WB	100.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
4CX	Transmitter types. Details available on request.		
4CX250B	These are 4CX250BC, equivalent to 4CX250B. Recent Matchlett manufacture. Chinese made new. Guaranteed 12 months from dispatch.	OB	45.00 6 @ 42.00
4CX250B	Chinese manufacture. Tested, with guarantee.	WB	44.00 25 @ 42.00
4CX250B	Eimac, USA. NOS. Most of this stock is 15 or 20 years old. Tested and very clean with 12 months guarantee.	OB	95.00 15 @ POA
4CX250B	GEC, Philips etc. NOS. Small quantity.	OB/WB	75.00
4CX250B	STC/ITT, UK. NOS. With logo. Tested with 6 months guarantee.	WB	51.00 20 @ 48.00
4CX250B	Consider 7609 or CCS1 for super low cost alternative, not equivalent. 7609 has 26.5V filament voltage. CCS1 has large copper block instead of radiator fins.		
4CX250B / CCS1	GEC/ Eimac. CCS1=Y-799. This is equivalent to 4CX250B but CCS1 has a large copper block instead of radiator fins. CCS1 is an ideal audio power amplifier, high current. It cools via a heat sink which avoids usage of noisy fans. These are unused, tested and guarantee but we don't know if NOS.	WB	23.00 10 @ 19.00 60 @ 15.00
4CX250BC	Equivalent or near equivalent to 4CX250B. Eimac LOGO USA. NOS. 1990s manufacture. Clean, tested, guaranteed. Great condition. Guaranteed 12 months from dispatch.	OB	95.00 6 @ 85.00
4CX250B Grade One	Eimac, USA NOS. Tested as Grade One. Used but decent appearance. With guarantee.	G1	70.00 5 @ 60.00
4CX250B Grade One	Used but very clean and test as Grade One ie 80 percent emission or more. 10 Amperex or other USA. 10 STC/ITT UK, 1 GEC, 1 Philips UK. Guarantee.	G1	55.00 25 @ 40.00
4CX250B USED	Chinese manufacture. Used but very clean. Tested with guarantee.		20.00 10 @ 18.00
4CX250B USED	Eimac, USA with logo. Used but clean and tested. Guarantee.	GVT	45.00 5 @ 43.00
4CX250B USED	STC / ITT, UK. Used not new but tested with guarantee. Clean.		30.00 16 @ 25.00
4CX250FG	USA NOS. Clean and tested with guarantee.	OB	60.00 10 @ POA
4CX250FG USED	Eimac, USA made. Used but decent appearance, tested with guarantee.	OB	25.00 12 @ 20.00 50 @ POA
4CX250R	Chinese NOS. Tested, clean with guarantee.	OB	50.00
4CX250R	USA NOS. Tested, clean with guarantee. 4CX250R/7580W will deliver more output in most linear amplifiers which use the 4CX250B. 4CX250R / 7580W is designed for use in Class AB1 linear amps where vibration prevents the use of non-ruggedized types. The 4CX250R / 7580W will replace the 4CX250B in equipment, if the bias adjustment will tolerate this higher rated tube and where tuning range can compensate for the small difference in capacitance.	GB	80.00 5 @ 75.00
4CX300A	Eimac/Raytheon USA. NOS tested guaranteed. Reduced to under half price, due to store soiled appearance (new but not perfect appearance).	OB/GVT	17.00 20 @ 16.00
4CX300A	Eimac/Raytheon USA. NOS tested guaranteed. Clean unused appearance.	OB/GVT	35.00
4CX350A	Chinese. Recent clean new manufacture. Tested, with guarantee. Please enquire about bulk quantities.	OB/WB	95.00
4CX350A	Eimac/CPI, USA. NOS. Tested and clean with guarantee. NOS. Most are from era 1995- 2005 very approximately.	OB/WB	125.00
4CX350A Grade One	Eimac, USA. Most are 1990s made. Removed from equipment that was never used. Some writing on the white ceramic. Tested/guaranteed by Billington Export. Sold used price. Plenty in stock.	G1	62.00 4 @ POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
4CX350A USED	Eimac, USA. Removed from working equipment. Used, not new appearance, but decent appearance. Printed "4CX350A USA". Tested with 6 months guarantee. Most 1990s made.	WB	30.00 4 @ POA
4CX1000A	Chinese. Tested at low power, guaranteed 12 months from dispatch date. These are new and unused but store soiled due to storage. Hence bargain price. 2 pieces exist.	WB	150.00
4CX1000A	Eimac, USA. With guarantee. Tested as new.	GVT	400.00
4CX1500B	Eimac. New, unused NOS. Tested, with guarantee.	OB	625.00
4CX1500B USED	Eimac. Used, NOT tested. Guaranteed 90 days from despatch.	OB	150.00
4CX1500B USED	Eimac. Used, tested, guaranteed. Allow 2 weeks for testing on this high power item.	OB	225.00
4CX1500B / 4CX1500BM	Eimac. New, unused but store soiled appearance, hence reduced price. Tested, with guarantee.	OB	320.00
4CX250R	Eimac, USA. NOS. Tested and very clean with guarantee.	OB	70.00 10 @ 65.00
4CX3000A7	Chinese. Tested with guarantee.	OB	475.00
4CX40000GM	Eimac, USA NOS. Tested, with guarantee. Made in 1995. New and unused but minor blemishes, Copper oxide. Price negotiable.	OB	5,000.00
4CX40000GM	Eimac, USA, used for only a few hours only. Some marks on the metal work. But very clean, considering it is a used item. Tested, with guarantee.	WB	700.00
4CX35000C USED	Eimac, USA. Used. Our supplier advice was they were removed from working equipment. Low power test by our agent was successful. Guaranteed 90 days from dispatch. These are used pulls, ex-equipment. Please refer to photo to see condition.	GVT	400.00 2 @ 380.00
4CX5000R	EEV, UK. NOS.	GVT	300.00
4D32	UK and USA made NOS. In sets of 2 pieces identical. EEV, Raytheon, other. Tested, guaranteed. Audio type. Data on the tubedata.it church website. Discussion of audio potential at www.DIYaudio.com	Most GVT	30.00 16 @ 24.00
4D43	USA. NOS. Tested, With guarantee.	WB	28.00
4E27	Eimac or other USA NOS. 12 months guarantee.	OB	45.00
4E27A USED	Eimac or other USA. Used, 12 months guarantee.	OB	30.00
4H-182E	UK manufacture. STC CV1883. 4H/182E, RF Tetrode NOS. Unused and 30 day guarantee but expensive testing is not included at this price.	GVT	25.00
4PR60C 8252W	Eimac USA NOS. Mostly 1970s manufacture. Guaranteed 6 months from despatch date.	WB/WB	150.00
4PR60C / C1166	EEV, UK. NOS. Superb quality with 12 months guarantee. Has similarities to 4PR60C, but is not equivalent. Data on request.	OB/GVT	50.00 20 @ 45.00
4PR65A	USA NOS mix brands. NOS tested with guarantee.	WB/OB	44.00
4PR400	Eimac logo USA made, NOS. Tested. Guarantee 6 months from despatch date.	OB/WB	400.00 2 @ 380.00
4PR1000A USED	Eimac, USA. Used and guaranteed. These will be tested at the time of despatch. They are ex equipment pulls.		POA
4X150A	Amperex, USA 30 pieces, Eimac 5 pieces and RCA 5 pieces. NOS. Tested, clean and guaranteed. These will be tested at the time of despatch.	OB/GVT	25.00 8 @ 22.00 40 @ 20.00
4X150A Grade One	USA made, eg Amperex, Eimac, RCA. Tested as Grade One, very clean and guaranteed.	G1	18.00 20 @ 14.00
4X150A	Consider 7609 for super low cost alternative, not equivalent. 7609 has higher [26.5V] filament voltage.		
4X150D	Heinz, USA. NOS. 16 pieces. Clean and guaranteed. These will be tested at the time of despatch. Near offers welcome.	OB	32.00 16 @ 20.00
4X150D / 7609 Grade One	Eimac, USA. Clean and guaranteed. These will be tested at the time of despatch. They are ex equipment pulls but many look almost unused. Classified as Grade One. Near offers welcome.	G1	24.00 8 @ 20.00 100 @ 15.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
4X150G	Eimac, USA. NOS and guaranteed. 5 pieces.	Most OB	40.00
4X500A	Eimac, USA.	OB/WB	240.00
PX4 / 4XP	Cossor logo UK, NOS. Clean, tested, guaranteed. ST shoulder shape. 1 piece only. These are 4XP.	OB	240.00
4XP Grade One	Cossor, UK. With logo. Test as Grade One. Guaranteed, ST shoulder shape. 1 piece only.	G1	180.00
5A6	USA NOS. This B9A triode could be "strapped up" to make an audio triode, similar to triode type 45, but 5A6 are B9A base. Data http://electronbin.com/sheets51.html	Most OB	7.00 100 @ 5.50 1,000 @ 4.50
5A-152G	Similar to C3G. STC UK NOS logo. Driver tube for 300B etc. These 5A-152G are a wire ended version of 5A-152M. The data is the same as 5A-152M here http://electronbin.com/sheets51.html	GB	18.00 16 @ 15.50
5A-152M	Similar to C3G. STC UK, NOS logo. 400 pieces from our supplier. Driver tube for 300B etc.	GB	22.00 400 @ POA
5A-163K	STC logo UK NOS. B9A base, audio pentode. Data/photo http://www.tubecollector.org/cv1635.htm	OB/WB	13.00 8 @ 12.00
5A-175G	Alias CV4506, alias CV4518. RF pentode wire ended. Data http://www.r-type.org/exhib/aaa1368.htm	GB	4.00 600 @ 2.50
5AR4	Refer to GZ34.		
5AS4	5U4GB Miniwatt USA / W.Euro, NOS.	WBN	25.00
5AU4	Refer to 5V3. This is partly similar to 5U4GB but not equivalent.	OB/WB	POA
5B-254M	STC/ITT logo - UK NOS. Audio type. This is like an uprated KT66 or 6L6GC but on a loctal B8G base. Socket to fit from stock. Data http://tubedata.itchurch.org/sheets53.html	OB/GVT	10.00 10 @ 9.25 25 @ 8.30 300 @ 8.00
5B-254M	STC logo, UK NOS. Double ring getter, or double square getter. Refer to other 5B254M paragraph, above, for data etc.	OB/GVT	15.00 12 @ 12.00
5B-255M	Special quality double ring getter, or double square getter. Very rare. STC logo UK made NOS. This is like an uprated KT66 or 6L6GC but has a loctal base.	GB	28.00
5B-255M	STC or ITT logo, UK. NOS. This is like an uprated 6L6GC but has a loctal B8G base. Single getter. 50 pieces in stock at the time this catalogue was published. Hurry as these will sell soon!	OB/GB	17.00 50 @ 16.00
5B-255M	STC logo, UK. NOS. Few only as rare item. Double getter.	OB/WB	28.00
5B-256M USED	STC UK, 19 volt heater version of 5B-255M, when available.	Most GVT	POA
5B-258M	STC/ITT logo, UK. NOS. Clean and tested. This is a low cost, high quality uprated 6L6GC but has a different socket. 89L sockets to fit in stock. Data: Vf=19V, If=250ma, Va=300V, Ik=125mA, S=5.6mA/V, Pa=30W.	OB/GVT	9.00 12 @ 8.00
5C8S (5U8C)	NOS clean, guaranteed. Hi voltage, double anode rectifier. Svetlana C logo. It has similarities to 5U4G, but unusual base. 5C8S: Vf=5, Ik=5000mA, Ik=400mA, Va=500. 5U4G: Vf=5, Ik=3000mA, Ik=225mA, Va=450. Data http://www.mif.pg.gda.pl/homepages/frank/sheets/084/5/5C8S.pdf	WB	5.50 15 @ 4.20
5C22	UK / USA. NOS. (NO EEV UK).	OB/WB	110.00
5C22 Grade One	USA made. ITT USA JAN Thyatron electron tube. Tested, excellent. These are slightly used, but very clean condition. Guaranteed. 5C22 JAN military grade. Priced to sell.	G1	38.00 10 @ 35.00
5C22 USED	USA made including ITT and Electron Enterprise. Used, not new but tested/guaranteed.	WB	50.00
5C22 / CV6022	EEV, UK CV6022. NOS. Equivalent to 8503 and tested with guarantee.	GVT	400.00
5C-450A	STC UK NOS, tested/guaranteed. 2 pieces identical appearance. An audio triode, with similarities to 4212E. 5C-450A is a pentode but could be strapped to give 100W single ended, except that Va, Vg2 use maximum 850V. Data on request. Near offer considered.	GVT	1,000.00 2 @ 950.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
5J180E	STC/ ITT, UK. NOS. 5 pieces.	GVT	400.00
5L5615	Siemens NOS. 14 pin oval medium size orange coloured nixie numerical readout tubes. They show numbers from 0 to 9. Sold out.	OB/WB	POA
5MP29	Japanese made. NOS. Probably NEC. 500 pieces the same. Guaranteed.	WB	6.00 100 @ 4.50 500 @ 4.00
5R4GA	USA. NOS.	OB/WB	10.00
5R4GB	USA. NOS.	OB/WB	11.00
5R4GY	Brimar/STC, UK made NOS. KB/FE or KB/FB. Stock quantity varies, at most we have 4 pieces.	OB/WB	98.00
5R4GY	Brimar logo, NOS. Italian made by Fivre. Brown base. Shouldered shape.	OB/WB	50.00 4 @ 40.00
5R4GY	RCA logo, USA. NOS. Grey anode. Tested/guaranteed.	Most OB	28.00
5R4GY	RCA logo, USA. NOS. Black anode. Tested/guaranteed. A few might be available.	OB/WB	35.00
5R4GY	USA including. Sylvania and Raytheon. Not STC or RCA. NOS.	GVT/WB	30.00
5R4GY	West Europe made. Mazda or RT logo. NOS. Shoulder shape.	Most GVT	32.00 8 @ 30.00
5R4GYB Grade One	USA made eg RCA, test as Grade One.	G1	8.00 8 @ 6.00
5R4GY Grade One	Brimar/STC, UK made with logo. KB/FE or KB/FB. Test near new. Decent appearance, quite clean but small stains in the glass. Grade One standard.	G1	63.00 4 @ 50.00
5R4GY Grade One	Brimar/STC, UK made Grade 1 with logo. KB/FE or KB/FB. Test almost new, look decent but do not look new.	G1	60.00 2 @ 50.00
5R4GY Grade One	RCA logo, USA. Test new, but some have no spigot. Spigot replaced by a black plastic adapter. Double D getters. Black anode. Some of them have a spigot, but some minor scratches on the base.	G1	20.00
5R4GY Grade One	RCA logo, USA. Tested as Grade 1, guaranteed.	G1	25.00
5R4GY USED	Brimar/ STC, UK made. With logo. KB/FE or KB/FB. Test as used. Decent appearance, small stains in the glass. Guaranteed.	WB	40.00 3 @ 30.00
5R4GY USED	RCA logo used. Tested with guarantee. Used, not new appearance but clean.	WB	17.00
5R4GYA	NOS USA GE, green logo, square getter, black anode, long anode, hanging filament. Brown base, tested/guaranteed. 5R4GYA can replace 5U4G in many circuits.	GVT/OB	15.00 12 @ 13.00
5R4GYA	Raytheon and GE, USA. NOS. Tested, logo and guarantee.	GVT/OB	11.00 8 @ 9.00
5R4GYA Grade One	Grade One.	G1	6.00 8 @ 5.00
5R4WGA	USA manufacture. NOS. Some with Chatham logo.	GVT	15.00
5R4WGB	Chatham, salmon colour, base with logo. USA made, NOS. Resists high temperatures & high voltage.	WB/red box/GB	15.00 10 @ 12.00 50 @ 10.00
5R4WGB	Chatham, Raytheon & other USA brands with logo. NOS. Resists high temperatures. High voltage. Also 5R4WGA at the same price.	GB	15.00 10 @ 13.00 50 @ 11.00
5R4WGB	USA. NOS. Big base.	OB/WB	15.00
5R4WGB Grade One	USA. Grade One. Big Base.	G1	7.50 6 @ 7.00
5R4WGY	Chatham, salmon colour, base with logo. USA made, NOS. Resists high temperatures & high voltage.	OB/GB	15.00 10 @ 12.00 50 @ 10.00
5R4WGY	USA. NOS.	OB/WB	11.00 6 @ 10.00

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
5R4WGA/B/Y USED	USA. Used. Tested. Small stain. Big base.	WB	5.00
5T4	Black metal audio rectifier. RCA logo, USA NOS. Tests as grade 1, not perfect, new Grade One.	WB	10 @ POA
5U4G	Brimar UK "hanging filament".	OB/WB	POA
5U4G	Brimar red logo, West European NOS. Not UK. Not GEC style.	OB	75.00
5U4G	BILLINGTON GOLD logo, Russian manufacture, shouldered shape. New, tested/guaranteed.	OB	16.00
5U4G	Chinese manufacture. NOS. Shouldered shape. With guarantee.	WB	6.00
5U4G	Mullard, UK. NOS. Black anode VU71. Red Mullard, logo. Or Amerty logo. Rare but sometimes in stock, please enquire.	WB	POA
5U4G	Mullard logo, UK NOS. Brown base, black anode, ST shape. Estimated 1960s manufacture. Not VU71. When available.	GB	105.00
5U4G	RCA / Tung-Sol, USA made NOS. A few pieces in stock.	OB/WB	60.00
5U4G	Russian. NOS. Shouldered ST shape.	OB/WB	15.00
			Bulk @ POA
5U4G	USA. NOS. Hanging filament, otherwise known as shown chandelier wire. Guide price GBP60 wholesale if available.	OB/WB	POA
5U4G	USA. NOS, with logo. Tested and guarantee. Includes Sylvania, GE & Westinghouse. Excludes Tung-Sol, RCA, Mullard, and GEC.	OB/WB	42.00
5U4G	USA made is rare now. Consider using 5Z3. Adaptors UX4 to octal are sold by our friend Zhang Eb.	Please Enquire	20 @ 34.00
5U4G	U52 UK NOS. GEC / Marconi / Osram. Black anode. Round base.	OB	POA
5U4G	U52 UK NOS. GEC / Marconi / Osram. Grey anode, round base. Just a few pieces. Please enquire for quantity.	GB	340.00
5U4G	Brimar logo. D getter or double D getter. West European made. Not UK. Tested as Grade One. Guaranteed.	G1	300.00
5U4G	U52 UK. GEC / Marconi / Osram. Grey anode. Round base. Classic U52 shape. Test as Grade One. Not new but clean appearance.	G1	45.00
5U4G	USA brands including GE, Sylvania, RCA or Westinghouse. Tested as Grade One. With logo.	G1	200.00
5U4G	Brimar, UK. With logo. Used, tested, guarantee, clean. U52 shape almost same as GEC U52. Stock sometimes exists.	G1	22.00
5U4G USED	USA / Canada including Marconi GE Westinghouse and Sylvania but excluding RCA, Tung-Sol, Mullard, and GEC. Not new appearance but tested as used with logo and guarantee.	WB	10 @ 18.00
5U4G USED	USA / West European. Tested used or borderline. Clean glass, but all have issues like glass rattle, repaired centre pin, reduced getter size, hence low price. 90 days guarantee and logo. Includes Sylvania, GE, Westinghouse, Raytheon, Marconi Canada, RCA, Tung-Sol etc. Excludes Mullard, and GEC.	WB	POA
5U4GB	NOS. Believed to be maybe UK made. Tungram logo, printed '5U4G'. Tested and guaranteed. Black anode. Rare item!	OB/WB	16.00
5U4GB	NOS USA, with logo. Tested and guarantee. Includes Sylvania, GE & Westinghouse. Excludes Tung-Sol, RCA, Mullard.	OB/WB	5 @ 14.00
5U4GB	Japan, with logo, NOS. Tested and guarantee.	OB/WB	15.00
5U4GB	RCA logo. Vintage made USA, NOS.	OB/WB	10 @ 12.00
5U4GB	Tung-Sol. Vintage made USA, NOS.	OB/WB	16 @ 10.00
5U4GB	USA/West European Raytheon, Sylvania, Westinghouse and a few Brimar. Test as near new, look decent with good getter splash but have minor scratches on the base. Limited quantity so no bulk offer.	G1	30.00
5U4GB			20 @ 28.00
			40 @ 20.00
			17.00
			10 @ 12.50
			40.00
			20 @ 30.00
			40.00
			4 @ 32.00
5U4GB			12.00
Grade One			10 @ 9.00
			30 @ 7.00

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5U4GB Grade One	USA made RCA logo. Test as new, look decent with good getter splash but have minor scratches on the base. Limited quantity so no bulk offer.	G1	24.00
5U4GB Grade One	USA made RCA logo. Test as used, look decent with medium getter splash but have scratches on the base. Limited quantity so no bulk offer.	G1	16.00
5U4GB USED	Westinghouse, Raytheon, Brimar, Sylvania, USA made. With logo. Used, not new with some in the glass but decent appearance. Tested, working, guaranteed. Spigot / centre pin maybe missing.	WB	7.00 12 @ 5.50 40 @ 4.00
5U4WGB / 5931	USA NOS Sylvania Logo. GT Shape. These are 5931, near equivalent to 5U4G.	GVT	26.0 3 @ 24.00
5UP1	MOV, UK NOS. CRT. If you order this CRT, we will help you with sockets. Data http://tubedata.itchurch.org/sheets52.html	GVT	50.00 3 @ 40.00
5V3 5AU4	USA. NOS. With logo. Westinghouse, RCS and Sylvania etc.	OB/WB	6.50
5V4G	Mullard, UK. NOS. Please refer to GZ32.	WB	POA
5V4G	STC / Brimar, UK. NOS. Nearly all have logo.	GVT	40.00 4 @ 36.00
5V4G	USA. NOS. Tested with guarantee.	Mostly OB	12.00
5V4G Grade One	USA. Shoulder shape. Tested. Grade One. With guarantee.	G1	9.00
5V4G USED	Brimar UK, Used Tested/guaranteed.	WB	20.00
5V4G USED	West European made. Used and tested. Usually available.	BB	POA
5V4G	Please refer to 25Z6GT for a fantastic low cost possible alternative, not equivalent.		
5V4GA	GE, Sylvania, USA. NOS.	OB/WB	13.00 12 @ 11.00
5W4	CEI, USA. NOS. With logo. Similar to U50 but black metal. Bargain price for useful rectifier. Data: Vf=5.0V, If=1500mA, Va=350V, Ik=110mA	OB/WB	3.60 20 @ 2.00
55X4G	RCA / other USA. NOS. Audio rectifier with similarities to 5Z3. Some hanging filaments.	OB/WB	12.00 Bulk POA
5X4G Grade One	USA. Tested. Grade One. With guarantee.	G1	9.00
5Y3G	Chinese. NOS. Tested. Some similarity to GZ34, suitable up to 125mA and 350V. Shoulder shape, black Bakelite base. Tested guarantee, clean appearance	WB	6.00 10 @ 4.80 100 @ 4.00
5Y3G	USA. NOS. With logo, tested, guaranteed. Mixed USA brands including Sylvania, RCA, Raytheon, Westinghouse etc. Also 1 or 2 Mazda or Visseaux France.	OB/WB	22.00 8 @ 20.00
5Y3G USED	Mixed USA brands including Sylvania, RCA, Raytheon, Westinghouse etc. Used, tested guaranteed. Most have logo. Not new but decent appearance.	WB	11.00 12 @ 9.00
5Y3GB	Mazda, France. NOS. Indirectly heated (like 5Z4G).	GVT	10.00
5Y3GT	Chinese. NOS, some similarity to GZ34, suitable up to 125mA and 350V. Straight GT shape, metal base. GZ34 data: Vf=5.0V, If=1900mA, Va=450V, Ik=250mA 5Y3GT data: Vf=5.0V, If=2000mA, Va=350V, Ik=125mA	WB	6.00 8 @ 4.00 30 @ POA
5Y3GT	Russian, NOS.	OB/WB	7.00 8 @ 4.00 50 @ 3.50
5Y3GT	USA. NOS. Tested, and guaranteed. Most Sylvania, Raytheon or Westinghouse, USA. NOS.	Most OB	15.00 20 @ 13.00 50 @ 12.00 100 @ 11.00
5Y3GT	Brimar logo UK NOS.	OB/WB	17.00 8 @ 15.00
5Y3GT USED	10 Mullard, 10 STC/Brimar. Used, not new but decent appearance.	WB	9.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Tested guaranteed with logo. Some are Grade 1, some are used.		30 @ 7.50
5Y3GT USED	Westinghouse, Raytheon, Sylvania and RCA, USA. Good appearance for a used valve, tested/guaranteed with logo.	WB	9.00 40 @ 6.50
5Y3GT USED	Westinghouse, Sylvania, RCA, Tung-Sol USA made. Test OK but cosmetic issues like cracks in the base, imperfect getter, missing spigot/ centre pin. Tested, guaranteed with logo.	WB	5.00 5 @ 4.00 10 @ 3.50 30 @ 3.75
5Y3GT	Consider 5Z4GT as a possible alternative, not equivalent.		
5Y3WGT / 6106 USED	USA made. Used tested. These are 6106 Bendix logo.	WB	20.00
5Y3WGTA	USA. NOS. It's difficult to beat the durability of a USA made 5Y3.	GB/WB	46.00
5Y3WGTB	Some are 6087. All same price. USA. NOS.	GB/WB	46.00
5Y3WGTA/ 5Y3GTA	USA made with HYTRON logo. Not new but tested as Grade One. Clean and guaranteed.	G1	27.00 10 @ 24.00
Grade One			
5Y4GT	West European/North American very similar to 5U4G. This is the same as a 5Y3 but has different pin out. Potential audio type.	OB/WB	4.50
5Z3	Chinese made. New tested, with guarantee.	OB/WB	5.00 8 @ 4.00
5Z3	USA NOS. These are the rare and desirable version with the hanging filament.	OB/WB	35.00
5Z3	Sylvania and other USA. NOS.	OB/GB	18.00 8 @ 17.00 30 @ 15.00
5Z3	USA. Grade 1.	G1	12.50
Grade One	Not hanging filament.		10 @ 9.00
5Z3	USA. Used but decent appearance, and test as Grade 1.	G1	25.50
Grade One	These are the rare and desirable version with the hanging filament.		
5Z3 USED	RCA, Sylvania and Westinghouse, USA and Marconi, West Europe. Most have logo. Used, tested, with guarantee. Similar to 274A Western Electric.	WB	8.00 20 @ 6.00
5Z4 USED	USA. Used, tested. Black metal	WB	4.00
5Z4G	Brimar/STC UK. NOS. With logo. Partly similar to GZ34, but not fully equivalent.	Most GB	28.00 4 @ 26.00
5Z4G	Mazda logo. NOS. Some similarity to GZ34, suitable up to 125mA and 350V. Shoulder shape, black Bakelite base. Deduct 25p if you accept with no box, ie bulk pack. Tested guarantee. Look clean & new with unknown country of manufacture. Not made in West Europe. Data: GZ34 - Vf=5.0V, If=1900mA, Va=450V, Ik=250mA 5Z4G - Vf=5.0V, If=2000mA, Va=350V, Ik=125mA.	GVT	7.00 10 @ 6.00 150 @ 5.00
5Z4G	Mazda, UK. NOS. With logo. Limited stock.	WB	28.00
5Z4G	Tungsram logo, made in UK by Mullard. NOS.	OB	33.00 5 @ 31.00 16 @ 25.00
5Z4G	Brimar/STC UK manufacture, with logo. Tested as Grade one.	G1	21.00
Grade One	Decent appearance, not new appearance. Enquire for extra quantity.		4 @ POA
5Z4G USED	Mullard logo UK. Used, tested.	WB	18.00
5Z4G USED	Brimar logo, UK manufacture. Used, tested, guaranteed.	WB	14.00 Bulk @ POA
5Z4GT	Chinese. NOS. Some similarity to GZ34, suitable up to 125mA and 350V. Straight GT shape, metal base. GZ34 data: Vf=5.0V, If=1900mA, Va=450V, Ik=250mA 5Z4GT data: Vf=5.0V, If=2000mA, Va=350V, Ik=125mA.	WB	5.50 20 @ POA
5Z4GT	Russian. NOS. Near equivalent to GZ34, suitable up to 125mA and 350V. Mostly GT shape, a few are ST shape.	OB/WB	8.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
5Z4GT	Mullard UK NOS. Refer to GZ30 for price & availability.	OB/WB	In stock
5Z4GT	USA NOS.	OB/WB	11.00
6A3	USA NOS. Guide price GBP35.	OB/WB	25.00
6A7	USA made NOS. ST shape glass.	OB/WB	10.00
6A7 USED	USA made. Used tested. ST shape glass.	WB	5.00
6A8 / 6A8G	USA NOS. 6A8 black metal, 6A8G ST shape, 6A8GT, all same price.	OB/WB	7.50
6AB4	Please refer to EC92 .		
6AB4	GE, USA. NOS. With logo. Jan military. Clean and guaranteed. This single triode B7G base is similar to half of an ECC81, 12AT7 B9A base. Suitable for microphones such as Neumann Gefell UM57. Data http://scottbecker.net/tube/sheet/127/6/6AB4.pdf	GVT	4.00 5 @ 3.34 200 @ 2.80
6AB4	RCA, USA.	OB/WB	POA
6AB7	RCA, USA. NOS with logo. Black metal audio valve. Clean and guaranteed. Data: Vf=6.3V, If=450mA, Va=300V, Ik=12mA, S=5, Pa=3,7	OB/WB	28.00 80 @ 2.00
6AC5GT	Hytron, USA. NOS. Clean uniform and guaranteed. With logo. Potential audio type. Data/photo http://tubedata.itchurch.org/sheets62.html	OB/WB	12.00 30 @ 9.00
6AC7 / 6AC7W / 6AC7Y	RCA, USA. NOS. With logo. Black metal audio valve.	GVT	5.00
6AC7GT	Chinese, new, and tested. Audio valve. Clean and guaranteed. Data http://frank.pocnet.net	GVT	4.00 50 @ 3.00
6AC7 USED	USA. Tested used . Includes 6AC7Y 6AC7W . Data on request.	OB/WB	2.00 100 @ 1.00
6AF4A	USA or UK. NOS.	OB/WB	4.00
6AF6G	RCA logo USA NOS. Magic Eye. Data http://electronbin.com/sheets62.html	Most OB	9.25 18 @ 8.25
6AG5 / EF96	Russian or Chinese made. NOS.	WB	3.00 200 @ 2.00
6AG5 / EF96	Mix USA. NOS.	Most OB	3.00 200 @ 2.00
6AG6	UK NOS. Many similarities to audio pentode such as to EL33, KT61.	OB/WB	45.00 4 @ 40.00
6AG7	RCA/other USA brands, black metal.	GVT	10 @ 3.50 100 @ 3.00
6AG7	Russian. New, clean and guaranteed. Deduct 25p if you accept without box ie if you accept in egg crate bulk pack.	BP	3.00 100 @ 2.00
6AH4GT	USA. NOS. GE/Westinghouse/Sylvania.	OB/WB	20.00 8 @ 17.00 24 @ 14.00
6AH4GT USED	USA. GE/Raytheon. Used tested.	OB/WB	10.00 16 @ 7.00
6AH6	RCA USA NOS.	Most OB	5.00 5 @ 3.40
6AH6 / WA	Phillips, GE, Westinghouse. All USA NOS. Approximately 100 of each brand. It would suit an SE amp using a 6AH6 pentode in triode mode at the input, and a 1625 output tube. Visit www.diyaudio.com/forums/tubesvalves/93560-shrine-se-amp-using-6ah6-1625-a.html	OB/WB/BP	4.00 5 @ 3.20 100 @ 2.00 300 @ 1.75
6AJ8	Equivalent to ECH81 .		
6AK5	Chinese made. NOS. Good audio quality tested. With guarantee. Deduct 25p if accepted with egg crate/bulk pack instead of WB. A UK amplifier maker told us "these are as good as Mullard, for emission, low noise, frequency response".	WB	3.00 10 @ 1.50 3,000 @ 1.20
6AK5 / EF95 / CV4010 / 5654	Please refer to EF95 Mullard/RT.		

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TYPE	COMMENT	BOX	£ GBP PRICE each
6AK5 / W	Please refer to EF95.		
6AK6	Audio pentode. Brimar logo UK NOS. Clean and guaranteed. Data: Vf=6.3V, If=150mA, Va=180V, Ik=15mA, S=2.3mA/V, Pa=2.7W. B7G Audio pentode can be triode connected. Data at tubedata.itchurch website. Search engines have items showing 6AK6 in audio circuit.	GVT	4.00 4 @ 3.50 20 @ 3.00 250 @ 2.75
6AK6	GE, USA. NOS. With logo. Clean and guaranteed. Please refer to 6 AK6 Brimar section, above, for data and useful information	GVT	3.00 4 @ 2.50 20 @ 2.30 100 @ 2.20 1,000 @ 2.10
6AL5	Mullard, UK with GVT print CV4025 no Mullard, logo . Absolutely perfect in sealed boxes of 100. An audio rectifier/double diode. Photo/data http://www.r-type.org/exhib/aad0099.htm	GB	2.50 20 @ 2.40 100 @ 2.00
6AL5	Mullard, UK with logo . Absolutely perfect in sealed boxes of 100. Refer to data etc in above paragraph.	GB	4.00 100 @ 3.00
6AL5 / EB91	Brimar, UK. NOS. With logo. Please refer to data in the 6AL5 Mullard, paragraph above.	OB	2.00 8 @ 1.80 16 @ 1.60 400 @ 1.50
6AL5 / EB91	Siemens, West Euro made. NOS. With logo. Please refer to data in the 6AL5 Mullard, paragraph, above.	OB	2.20 16 @ 2.00 100 @ 1.70
6AL6	Foreign manufacture. Octal base. Similarities to 6L6, although it has a different pinout. Data from the GE essential characteristics manual, OR free from our office. When available.	GVT/WB	POA
6AL7GT	USA NOS. Magic Eye. Data http://electronbin.com/sheets62.html When available.	Most OB	POA
6AM4	USA and UK. NOS.	OB/WB	3.30
6AM5	Please refer to EL91 .		
6AM6	Please refer to EF91, CV4014 .		
6AM6 / CV4014	Mullard UK. CV4014. NOS. Audio type. Genuine Mullard, but GVT print instead of a Mullard, logo.	GVT	4.00 20 @ 3.75 100 @ 3.50 1,000 @ 3.20
6AM6 / CV4014	Mullard, UK CV4014. NOS. Audio type. Mullard logo. B7G base. Some are government box, and some are bulk pack. Bulk pack items are 25p less than the following price. Photo www.tave.co.uk Data: Vf=6.3V, If=300Ma, Va=250V, Ik=20Ma, S=7.7Ma/v More data in the EF91 Thomson section, above.	GVT	3.50 2 @ 3.33 100 @ 3.00 1,000 @ 2.75
6AM8A	GE, USA. NOS. Might be audio potential. Data Vf=6.3V, If=450mA, Va=200V, Ik=12mA, S=7mA/V, Pa=2.8W. Data www.tubedata.org	GB	3.00 10 @ 2.00 50 @ 1.80 400 @ 1.60
6AM8 / A	Haltron and other USA brands.	OB	4.40
6AN4	Potential audio type. RCA logo USA, NOS.	OB	2.40 30 @ 2.00
6AN5	GE or Raytheon, USA. NOS with logo. A beam power amplifier. 4.2 watt anode dissipation. Makes a good headphone amp, low power amp or reverb tank driver. Data/photo http://electronbin.com/sheets62.html	OB/WB	2.50 50 @ 2.00
6AN8	RCA logo or Raytheon logo, USA NOS. Please note these are not 6AN8A. Very limited quantity.	Mostly OB	10.00
6AN8 / 5AN8	Sylvania, GE or Westinghouse, USA NOS. These are 5AN8, plug in to replace 6AN8.	OB/WB	4.00 20 @ 2.50 116 @ 2.10

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TYPE	COMMENT	BOX	£ GBP PRICE each
6AN8A	USA NOS. Very limited quantity.	Mostly OB	15.00
6AN8A USED	Tested, guaranteed. Please note these are 6AN8 , not 6AN8A.	WB	5.00
6AN8A USED	Tested, guaranteed. 4 of each brand: GE, RCA, Sylvania & Westinghouse.	WB	7.50
6AQ4	Please refer to EC91 for exact equivalent. Possible audio triode.		
6AQ5	Chinese. NOS. Tested, clean, guaranteed. For data circuit ideas etc refer to 6 AQ 5 USA paragraph below.	GVT	3.00 50 @ 2.50
6AQ5	West European made including Brimar and Mullard, RTC / Thomson France NOS. Hi-fi pentode.	OB	6.00 50 @ 5.00
6AQ5	6005W. USA, NOS, 60 Westinghouse, 40 Sylvania, 20 GE. NOS tested, guaranteed. For data, circuit ideas etc refer to 6AQ5 USA paragraph, around page 20 of our pdf catalogue.	OB/WB	5.50 100 @ 4.50
6AQ5	Equivalent to EL90 .		
6AQ5	Refer to 19AQ5 , very low cost alternative with different heater voltage.		
6AQ5	EL90 Telefunken logo with diamond mark <>. NOS. West German made hi-fi pentode. Matched pairs in stock. Price shown is for 1 tube.	Most OB	24.00 10 @ 22.00
6AQ5 / 6005W	France NOS including RT, Thomson. 6005 is equivalent to 6V6GT, except 6005 has B7G base, whereas 6V6GT is octal.	Most OB	6.00 50 @ 5.50
6AQ5 Grade One	EL90 Grade One Telefunken logo with diamond mark <>. West German made hi-fi pentode. Used with small stains in glass. Test around 80 percent emission, sold as Grade One.	G1 box	18.00 20 @ 14.00
6AQ5 Grade One	EL90. Telefunken logo with diamond mark <>. Tests like new, 100 percent emission but slight stains in glass so sold as Grade 1. West German made hi-fi pentode. Matched pairs in stock. Price shown is for 1 tube.	OB	16.00 16 @ 14.00
6AQ5 USED	6005W. Used but many look nearly new. Tested. USA, Westinghouse, Sylvania & RCA. Most with logo. Sets of 8 pieces same brand, same appearance. At this price we cannot sort particular brands or constructions. Minimum order 20 pieces.	BP	20 @ 2.50 300 @ 2.00
6AQ5 / EL90	Please refer to 6094 for super high quality possible alternative, not equivalent with gold pins.		
6AQ5W	USA manufacture. We have brands other than GE, please enquire.		4.00
6AQ7GT	RCA, Hytron, Sylvania, Kenrad, GE and Westinghouse. NOS. With logo.	Mostly OB	3.60 50 @ POA
6AQ8	Equivalent to ECC85 .		
6AR5	Raytheon logo, NOS. Clean uniform and guaranteed. This audio pentode would make a nice little power amplifier. Data: Vf=6.3V, If=400mA, Va=250V, Ik=32ma, S=2.3mA/V, Pa=8.5W. Data http://tubedata.itchurch.org/sheets61.html	OB/WB	7.50 10 @ 7.00 30 @ 5.10
6AR6	Tung-Sol, USA. NOS. With logo. Similar to 6384, but not the same. Data for both types http://tubedata.itchurch.org/sheets62.html	GB	19.00 8 @ 17.50
6AS6 / 5725	See 5725 entry for NOS equivalent items at super low price.		
6AS6	Mullard UK, NOS. CV4098/M8234 pentode. Equivalent to 6AS6 but these are wire ended, flying lead CV4098. Clean, uniform guaranteed. Data www.tubedata.org Photo http://www.tubecollector.org/cv4098.htm	GVT	3.00 10 @ 2.70 350 @ 2.00
6AS6	Tung-Sol, GE & other good USA made brands. NOS. Some are double marked 5725/W equivalent.	OB/WB	2.00
6AS7G	BILLINGTON GOLD , Russian. NOS. High audio quality and product reliability. They are individually tested within very tight limits and inspected for superior physical conformity and mechanical construction. With guarantee. They have a good reputation worldwide especially amongst Asian audiophiles. Supplied in an attractive blue/red/gold original box.	OB	16.00
6AS7G	GE USA. NOS. 8 pieces should be in stock.	OB/WB	20.00
6AS7G	GEC, MOV UK. NOS. Sometimes available.	OB/WB	280.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
6AS7G	RCA logo, USA. NOS. Shoulder shape. These have a great dynamic response and a hint of warmth, with excellent deep tonal character.	OB/GB	32.00 8 @ 28.00
6AS7G	Svetlana, Russian manufacture. Winged C logo. NOS. Clean, guaranteed. The internet has many circuit diagrams showing 6AS7G or equivalent 6080 in audio circuits.	OB/WB	14.00
6AS7G	USA. NOS. Shoulder shape. Sets of 2 identical. Not RCA.	OB/WB	10.00
6AS7G Grade One	GEC, MOV UK. Tested Grade One. 1 or 2 pieces only.	G1 box	210.00
6AS7G Grade One	RCA logo. USA. Grade One. Clean, tested balance between anodes may not be perfect, but auto bias takes care of this in most amplifiers. These have a great dynamic response and a hint of warmth, with excellent deep tonal character. Few pieces RCA red logo. Grey anode. Probably 1960s. Few pieces RCA silver logo. Black anode. Probably 1950s.	G1	19.00 8 @ 17.00
6AS7G Grade One	Marconi logo, made in Canada or USA. Grade One. Might be RCA made. Tested near new, getter is OK but not perfect.	G1	17.00 6 @ 15.00
6AS7G USED	GEC, MOV UK. Used, tested. 1 or 2 pieces only.	OB/WB	140.00
6AS7G USED	RCA logo, USA. Used not new appearance but tested 65 - 75 percent. Decent appearance, guarantee.	WB	12.50 10 @ 9.00
6AS7G	Please use 6080 . Same electrically, but much cheaper. 6080 quality is same or better than 6AS7G. Plenty of 6080 USA in stock.		
6AS7GA	GE USA. NOS. Copper coloured posts. Black base. Straight sides. These are GE, other brands are the same price.	OB/WB	15.00
6AS7GA USED	GE, USA with copper coloured posts. Black base . Straight sides. Used not new appearance but tested 65-75 percent guaranteed.	WB	5.00 8 @ 4.50
6AS7G	Please refer to 6080 , a straight sided equivalent to 6AS7G. For more information please refer to 6080 entry around page 22 in this catalogue. Good quantity of USA or French made in stock.		
6AT6	Cifte NOS made in France, Europe. These are 6AT6 triode/diode. The triode section is similar to half of an ECC81 CIFTE logo, NOS, guaranteed, 400 pieces all the same. Data www.r-type.org/exhib/aaa0358.htm , scroll down to PDF. New French stock just in!	OB	2.40 100 @ 1.60 400 @ 1.50
6AT6	Made by Hytron USA. NOS. Most have logo. Guaranteed. These are 6AT6 triode/diode. The triode section is similar to half of an ECC81. 400 pieces all the same. Data www.r-type.org/exhib/aaa0358.htm , scroll down to PDF.	GB	2.40 100 @ 1.60 400 @ 1.50
6AU4GTA	NOS USA / Japan. If available.	OB/WB	6.00
6AU5GT	Audio tube. GE, USA. NOS. This pentode can be "strapped up" to produce a triode, that's similar to 6B4G triode. Data on request. It will produce 5W in SE Class A. Recommended by Eric Barbour in issue 10 of VTV magazine. Data, photo & curves http://electronbin.com/sheets62.html	GVT	3.50 20 @ 3.00 100 @ 2.00 750 @ 1.60
6AU6	Brimar logo, UK. NOS. Guaranteed. UK made.	OB	5.00 30 @ 4.00
6AU6	Mullard, UK, NOS. Most with logo.	Most OB	12.00 20 @ 10.00
6AU6	Russian made. NOS. Guaranteed.	WB	4.00 100 @ 3.00
6AU6	Siemens logo, unknown origin. NOS.	OB	4.00 4 @ 3.60 100 @ 3.00
6AU6	USA NOS Guaranteed. ECG, GE, Sylvania.	OB/WB	3.00
6AU6A	100 total. Suitable for microphones such as Altec 21B, Sony C37, Sony C800. 6AU6 is an Audio pentode.		100 @ 2.60
6AU6WC			
6AU6WB	These are 6AU6WB, special quality equivalent to 6AU6. Thomson logo NOS France. For useful information, data, photos,	OB	3.00

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
	please refer to the other 6AU6 paragraphs, above.		
6AU6WC	NOS, USA Philips arriving soon. Please ask for prices.	OB/WB	500 @ POA
6AU8A / 7199	These are 6GH8A / 6AU8A NOS. GE, Sylvania, Tung-Sol, USA. Most have logo. You can buy on the Internet, adapters to convert 6GH8A into 7199. Tube data etc www.tubedata.itchurch , or contact us. Photo www.tave.co.uk	GVT	3.00 10 @ 2.80 400 @ 2.20
6AV6 / EBC91	Mix. USA NOS.	OB/WB	4.00 100 @ 3.00
6AV6 / EBC91	West European / Japanese manufacture. Russian / China.	WB	3.00
6AW8A	Hitachi x 60 pieces, Mullard, x 10 pieces, RCA x 10 pieces and Sylvania/Westinghouse x 50 pieces.	OB/WB	3.00 10 @ 2.80 100 @ 2.20
6AX5GT	USA NOS. Similar to EZ81 but has an octal base.	OB/WB	7.00
6AX5GT	Russian. NOS, clean, uniform guaranteed. GT shape. Octal full wave rectifier [double diode]. Similar to EZ81 and 6X4 but different base.	WB	2.60 30 @ 1.56 100 @ 1.40 400 @ 1.20
6AX4GTB	USA NOS. Octal audio tube. RCA, GE, Raytheon.	Most OB	4.50 20 @ 4.00 300 @ 2.40
6AX7	Tung-Sol and other vintage USA, NOS.	OB/WB	26.70
6AZ8	RCA/Sylvania USA. Clean, tested/guaranteed. Possible audio type. Data: Vf=6.3V, If=450mA, Va=200V, Ik=10mA, S=6mA/V, Pa=2W.	OB/GVT	7.00 10 @ 6.30 200 @ 5.00
6BA6 / 5749	70 Russian, 100 China NOS guaranteed.	WB/OB	4.00 100 @ 3.00
6BA6 / 5749W	RCA logo USA NOS.	Most OB	5.00 50 @ 4.00
6BA6 / 6BA6W	EF93 / CV4009 Brimar UK. NOS. Most have logo.	OB/WB	5.00 4 @ 4.20
6BA6 / 6BA6W	EF93 / CV4009 Mullard logo UK. NOS.	OB/WB	5.50 10 @ 5.00 100 @ 4.50
6B4G	Russian. Usually available.	OB/WB	28.00
6B4G	USA NOS, tested. Sets of 2 pieces identical appearance. Matched pairs maybe available.	OB/WB	50.00
6B4G	USA NOS, tested with logo. SINGLES, NOT sets of 2 pieces identical appearance.	OB/WB	40.00
6B4G / 6AU5GT	Please refer to 6AU5GT alternative (not equivalent) elsewhere in this catalogue.		
6B4G / 6AV5GA	These are 6AV5GA USA NOS. 3 or 4 USA brands RCA Raytheon, Sylvania etc. Sets of 8 pieces same brand same appearance. Vacuum Tube Valley magazine, issue 10, discusses 6AV5GA in audio application. 6AV5GA has many similarities to 6B4G. Data http://electronbin.com/sheets62.html	Most OB	6.60 70 @ 5.40
6B4G USED	USA made. Used, tested guaranteed. Shoulder ST shape. Sets of 2 pieces identical appearance.	WB	18.00 4 @ 15.00
6B5	Tung-Sol, Brimar, Sylvania, etc. Audio double triode.	OB/WB	15.00
6B8G	GE, RCA and other USA NOS. Perhaps 4 or 5 brands. Rogers, USA.	OB	4.50 50 @ 3.00 150 @ 2.00
6B10	USA NOS 12 pin compactron. Teonex logo USA made.	OB	2.00 50 @ 1.60
6BC8	USA West Europe NOS. Guide price GBP10 wholesale. Refer to 6BK7B near equivalent.	OB/WB	5.00
6BE6	Brimar logo UK NOS. (Also see equivalents such as 5750 CV4012).	OB/WB	4.20

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Guaranteed.		10 @ 3.60
6BE6 / 5750	Chinese. New. Guaranteed.	OB/WB	3.50 200 @ 2.50
6BF5	Sylvania logo, USA, NOS. Potential audio type. Data http://tubedata.itchurch.org/sheets62.html	OB	2.50 6 @ 2.00 300 @ 1.50
6BG6	Brimar UK 6BG6G and Sylvania USA 6BG6GA.	GVT/WB	6.00
6BG6GA	USA NOS. Sylvania / other USA made.	WB	9.00 50 @ 8.50
6BH6	East Europe / Japan. No picking of brands allowed. All genuine and guaranteed	OB/WB	3.00
6BH6	West European / USA – GE, Mullard and Phillips. Please refer also to near equivalent 6CB6 for extra stock. These are 6BH6. Fits Marantz 8B and other Audio amplifiers.	OB/WB	4.00 50 @ 3.00
6BH8	Please see 6AU8A equivalent. 6AU8A NOS. Tung-Sol USA in stock. We can direct you to internet suppliers who sell adapters to convert 6AU8 into 7199. Contact us for information.		
6BJ6	Mullard, logo, UK. NOS. 25 pieces. Brimar logo, UK. NOS. 25 pieces.	Most OB	4.00 50 @ 3.00
6BJ6	RCA logo USA. NOS with guarantee. Possible audio type. Data http://tubedata.itchurch.org/sheets62.html Photo www.tave.co.uk	Most OB	3.50 90 @ 3.00
6BJ7	USA NOS. Guaranteed. GE & other USA brands.	OB/WB	2.20 20 @ 2.00
6BJ8	RCA Sylvania, USA.	OB	3.00 50 @ 2.20
6BK4	USA. NOS.	OB/WB	9.00 20 @ 7.50
6BK4A	USA. NOS.	OB/WB	9.00
6BK4B	USA. NOS.	OB/WB	9.00 20 @ 7.50
6BK4C	6BK4C mixed USA NOS, with logo, guaranteed.	Most OB	21.50 20 @ 20.00
6BK4A / B / C	Very rare. Try PD510 for cheaper alternative, not equivalent.		
6BK7B	For nearly all purposes you can plug in 6BK7B to replace 6BC8. USA NOS. 150 GE, 30 RCA & 90 Sylvania. Audio double triode, partly similar to ECC81 and ECC88 but has B7G base. Data http://tubedata.itchurch.org/sheets62.htm	Most GVT	3.20 10 @ 2.80 50 @ POA
6BL6	USA or UK manufacture. NOS. A klystron.	GVT	110.00
6BL7GT / 6BL7GTA	USA NOS. Logo. Guarantee. RCA, Raytheon, Sylvania, Westinghouse etc. Sets of 2 pieces, same brand, same appearance may exist. Ask re quantity available.	Most OB	8.00
6BL7GT / 6BL7GTA USED	Audio Double Triode. USA used, tested. Most have logo. Guaranteed. RCA, Sylvania, Westinghouse etc. Most are sets of 2 of identical appearance, but at this price it is for you to sort them out.	WB	4.00
6BL8	Please refer to ECF80 .		
6BM6	USA or UK manufacture NOS. A Klystron.	GVT	16.00 10 @ 12.50
6BM8	Please refer to ECL82 .		
6BN6	Audio pentode. GE, USA NOS. These 6BN6 are etched with equivalent number "6KS6". Deduct 25p if you accept in bulk pack. Data Vf=6.3V, If=300mA, Va=330V, Ik=5mA, B7G. Data http://tubedata.itchurch.org/sheets67.html Near offers considered if over 100 pieces.	OB/WB	3.20 10 @ 1.40 500 @ 1.00
6BN8	Audio double triode. NOS USA made. 10 x same brand/appearance A, 10 x same brand/appearance B, etc.	Most OB	5.00 5 @ 3.20

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Data http://tubedata.itchurch.org/sheets63.html		100 @ 3.00
6BQ5	Please refer to EL84 . Also 12BY7A for alternative, not equivalent item with different pin out but some similarities.		
6BQ5	Please refer to 12BY7A for a USA made NOS low cost alternative, not equivalent.		
6BQ6	6BQ6GTB Sylvania or Westinghouse, USA made NOS. 6CU6 ATEs Italian Made NOS. 6BQ6 equivalent to 6CU6. All with logo. 6BQ6 pentode could "strap up" to produce a triode, similar to 6B4G. Data: Vf=6.3V, If=1200mA, Va=250V, Ik=55mA, S=5.5mA/V, Pa=11W.	Most OB	3.00 10 @ 2.50 50 @ 2.00
6BQ7A	Or 6BZ7 or 6BK7B equivalent. NOS. 25 or 50 of each brand RCA, GE, Westinghouse, Raytheon, Sylvania. Audio double triode, similar to 6N1P & ECC88. Deduct 25p if you accept as bulk pack or egg crate, not white box.	OB/WB	3.25 15 @ 2.50 200 @ 2.10
6BQ7A	NOS. Good quality, vintage Japanese made. 400 pieces all the same appearance. NOS & clean. Audio double triode, similar to ECC88, 6922 etc. Deduct 25p if you accept as bulk pack or egg crate, not white box.	WB	2.75 10 @ 2.10 400 @ 1.90
6BR7	CV4006 Brimar, UK with white T logo NOS, clean, uniform and guaranteed. The 6BR7 are the same as EF86 but 6BR7 has lower microphony and a different pin out. Both are B9A based. 6BR7 data: Vf=6.3V, If=150mA, Va=250V, Ik=2mA, S=1.1mA/V, Pa=0.7W. EF86 data: Vf=6.3V, If=200mA, Va=300V, Ik=6mA, S=1.8mA/V, Pa=1.3W. More data http://scottbecker.net/tube/	OB/GB	10.00 20 @ 9.00 100 @ 8.00
6BR7	CV4006 Brimar, UK, no logo. NOS. The 6BR7 are the same as EF86 but 6BR7 has lower microphony and a different pin out. Both are B9A based. For data, please see above.	OB/GB	7.00 4 @ 6.25 75 @ 6.00 200 @ 5.50
6BR7	Brimar with yellow 'T' sticker OR D getter when available. NOS, data in other 6BR7 entry.	OB/WB	15.00
6BS7	Brimar, some with white T logo. UK. NOS, guaranteed. 6BS7 are the same as EF86 but 6BS7 has lower microphony and a different pin out. B9A base. Data at http://scottbecker.net	Most OB	10.00 10 @ 9.00 60 @ 6.00
6BV8	RCA USA NOS. Guaranteed. Twin triode, each section has a separate cathode. Suits FM demodulation & AF in audio receivers.	OB/WB	3.75 4 @ 3.35 32 @ 3.00
6BW6 / CV4043	Brimar logo UK. NOS. CV4043. Electrically identical to 6V6GT but has a B9A base.	OB	6.00 8 @ 4.00 100 @ 3.75
6BW6 / CV4043 Grade One	Brimar logo UK. CV4043. Grade 1 (used but test about 80 percent emission decent appearance not new appearance. Good print etc. Electrically identical to 6V6GT but has a B9A base.	G1	4.50 100 @ 2.75
6BW7	Audio pentode, possible driver for 300B. 300 Brimar logo, 400 Mazda logo. All UK. NOS. Photo/data http://www.r-type.org/exhib/aaa0340.htm	OB	4.00 4 @ 3.34 100 @ 3.00 700 @ 2.70
6BX7GT	RCA, Sylvania & Westinghouse. NOS.	OB/WB	14.00 4 @ 11.00
6BY6	NOS with logo. A pentode or strap it up as a triode. Potential audio type. B7G base. Data: Vf=6.3V, If=300ma, Va=250V, Ik=7mA. Sets of 200 pieces uniform and same brands. Guarantee. Similar to 6BE6. Jan military issue 5915 tubes, an interesting dual control heptode. Can be utilised as mixers or frequency changers. A long lasting good quality heptode. Data www.mif.pg.gda.pl/homepages/frank/sheets/093/6/6BY6.pdf	GVT	2.50 200 @ 1.60
6BY7	Please refer to EF85 equivalent.		

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TYPE	COMMENT	BOX	£ GBP PRICE each
6BZ6	Audio pentode, similar to EF805S Telefunken except different base. 100 JAN ECG Philips logo 6BZ6, USA NOS. All clean identical NOS, guaranteed. 6BZ6 is a B7G base audio pentode, same as B9A Telefunken, except for pin out. Data/curves for both types on the tubedata.itchurch website. These are 6BZ6.	OB/GVT	4.00 10 @ 3.00 100 @ 2.50
6BZ6	Audio pentode, similar to EF805S Telefunken except different base. USA NOS. 200 Japanese NOS 6BZ6. These are 6BZ6.	BP/WB	3.50 10 @ 2.50 200 @ 1.80
6BZ7	USA, NOS, 10 RCA etc. Potential audio valve. Data on request.	Most OB	4.00 10 @ 3.75
6C4	All NOS tested with logo. All USA made except Brimar UK. 10 pieces Brimar UK. 10 pieces Sylvania black anode square getter. 10 pieces Tung-Sol grey anode square getter.	OB/WB	6.00 30 @ 5.00
6C4	GEC UK NOS.	GB	16.00 75 @ 15.00
6C4	This is half of an ECC82 but on a B7G base, also very similar to the 6J5 and L63, but on a different base.		
6C4N-E / 6C4N / 6S4P / 6C4P	These are 6C4PI-EB, Russian NOS. 6C4N(6S4P) is a low noise single triode from the Russian military. Ultra-low noise, suits preamps etc. 90 day guarantee. Counter offers considered for 50 pieces. We should be able to find data on this tube, on request.	OB	7.50 4 @ 6.50 50 @ 5.00
6C4 / EC90	Mullard logo, UK. Square getter.	Most OB	15.00
6C4 / EC90	Mullard, logo NOS. Box anode, estimate late 1970s.	WB	10.00 16 @ 9.00
6C4 / EC90	Mullard, logo UK. NOS. Box anode, estimate early 1960s.	Most OB	12.00
6C4W	GE, USA. NOS.	OB	4.00
6C5	Similar to 6J5G and L63 but these are black metal.	OB/WB	3.50
6C5G	UK or USA NOS. Brimar, Sylvania etc. NOS tested, guarantee.	OB/WB	26.00
6C5GT	UK / USA NOS. 2 Hytron of same appearance, 2 Mullard of mixed appearance, singles of other brands.	Most OB/GB	10.00
6C6	USA / West European made. 10 in stock.	OB/WB	5.00
6C19Pi-b	Svetlana C logo. NOS. Guarantee. Also called 6C19-n 6S19, 6C19PI or 6C19p. A small power triode to suit high-end amplifiers eg Transcendent Sound T16 OTL, Little Dot headphone amp. Balanced audio technology preamp. Photo www.tave.co.uk Data http://www.shinjo.info/frank/sheets63.html	OB/WB	22.00 No bulk offer
6C33C	Please refer to 6C33CB .		
6C33C	Russian, NOS.	OB/WB	30.00
6C33C	Russian, NOS. Same as Sovtek but without logo. Guaranteed. Socket is SOC71WC. Plug in replacement for 6C33CB, (6C33C are older and rarer.)	OB/WB	35.00 8 @ 25.00
6C33CB	Russian. NOS. Same as Sovtek but without logo. Guaranteed. Socket is SOC71WC.	GB	35.00 10 @ 28.00
6C33CB USED	Russian. Same as Sovtek but without logo. Guaranteed. Look new test used.	OB/WB	15.00 6 @ 14.00
6C41C / 6C41	1980s NOS. Ulanov Russian made audio triode, 30 watts plate dissipation. Data www.mclink.it/com/audiomatica/tubes/6c41.htm or tdsl.duncanamps.com website	OB	11.00 20 @ 9.00
6C45Π(Pi)	Sovtek with Russian print instead of logo. NOS.	OB/WB	21.00
6CA4	Please refer to EZ81 .		
6CA7	Please refer to EL34 Billington Gold.		
6CB6	150 x Philips Holland, 150 x RCA, 100 x Sylvania other USA. All NOS clean and guaranteed. Potential audio type. Fits Marantz 8B and other audio amplifiers. B7G base pentode with data: Vf=6.3V, If=300mA, Va=200V, Ik=10mA, S=6.2mA/V. More data http://scottbecker.net/tube/sheets63.html	OB/GVT	1.80 20 @ 1.70 100 @ 1.50 400 @ 1.30

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Photo www.tave.co.uk		
6CD6	USA NOS. 4 or 5 USA made brands: Raytheon, Sylvania, Westinghouse etc. Guaranteed.	Most OB	6.00 50 @ 4.00
6CD6G	Brimar logo UK NOS. Plus other West European brands. Shouldered shape. Data http://scottbecker.net/tube/sheets63.html ,	GVT	3.50 50 @ 3.25
6CD6GA	GE green logo USA NOS. All the same appearance. Guaranteed. An octal base audio pentode, with similarities to 6L6G, though not equivalent. Photo www.tave.co.uk 6CD6GA: Vf=6.3V, If=2500mA, Va=200V, Ik=75mA, S=7.7mA/V, Pa=20W. 6L6G: Vf=6.3V, If=900mA, Va=360V, Ik=72mA, S=6mA/V, Pa=18W. Data http://scottbecker.net/tube/sheets63.html	GVT	3.50 20 @ 3.25 100 @ 3.00
6CG7	Please refer to 8FQ7 near equivalent. The only difference is heater is 8v not 6.3V.		
6CG7 / 6FQ7	Mazda logo UK NOS. Out of stock, please enquire.		POA
6CG7 / 6FQ7	Mazda logo made in Japan. NOS tested guaranteed. You're buying single tubes but matched pairs possible, for a fee.	OB	6.00 20 @ 5.00
6CG7 / 6FQ7	RCA logo. USA. NOS. Clear top, or square getter, or black anode.	OB	21.00
6CG7 / 6FQ7	USA made. NOS with logo. Westinghouse, GE, Sylvania.	OB	11.00
6CG7 / 6FQ7	Mazda logo made in Japan. Useful audio double triode.	WB	4.50
Grade One	Clean appearance. Grade 1 tested guaranteed, GOOD appearance. Match pairs possible.		10 @ 4.00 100 @ 3.40
6CG7 / 6FQ7	Raytheon logo made in Japan. Useful audio double triode. Clean appearance. Grade 1 tested guaranteed. Match pairs possible.	WB	4.50 100 @ 3.40
6CG7 / 6FQ7	Mazda logo made in Japan. Useful audio double triode.	WB	3.00
USED	Decent appearance for a used tube. Used tested guaranteed.		100 @ 2.50
	06.08.21 Our client FB said these sounded better than RCA USA!		500 @ 2.40 600 @ 2.25
6CG7 / 6FQ7	Raytheon logo made in Japan. Useful audio double triode.	WB	3.00
USED	Decent appearance for a used tube. Match pairs possible for a fee. Used tested guaranteed.		50 @ 2.65 300 @ 2.40
6CG7 / 6FQ7	RCA logo, USA. Clear top , some black anode. In sets of 4 pieces identical, ie same construction, same print, etc. Used not new appearance but decent appearance, tested 65 per cent + and guarantee.	WB	10.00
USED			10 @ 9.00 100 @ 7.00
6CH3 / 6CJ3	USA NOS. Audio tube.	OB/WB	6.00
6CH6	Brimar, UK, description exactly as below but these have GVT prints and NO Brimar logo. NOS printed CV4055. GVT crates of 100. 6CH6 was utilised by the British military being of longer life and more reliable than EL84. Transformers designed for EL84, EL33, KT61 might be applied to 6CH6 if you have specialist knowledge The 6CH6 gives a crisp low distortion audio output. 6CH6 is VERY similar to EL33 and KT61, but EL33/KT61 is octal base. 6CH6 also has similarities to EL84 (not equivalent). Data: Vf=6.3V, If=750mA, Va=250V, Ik=40mA, S=11mA/V, Pa=12W. More 6CH6 data http://tubedata.itchurch.org/sheets62.html EL33 data http://tubedata.itchurch.org/sheetsE1.html	GVT	4.50 50 @ 3.80 800 @ 3.50
6CH6	AUDIO AMPLIFIER. Some years ago, our agent constructed an amplifier [parallel push pull class AB1] using 4 x 6CH6 valves [plus 6C4, 6BR7, 5U4G] [EL821=6CH6=CV4055]. We can send you a free circuit diagram and data to build this 15watt stereo amplifier. The amplifier gives excellent crisp clear sound when used with a CD player. Demonstration of the amplifier maybe possible by appointment at our agent's office. 6CH6 has some similarities to EL84 but is not equivalent. 6CH6 B9A base is near equivalent to the octal base KT61/EL33. [6CH6 in class		

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TYPE	COMMENT	BOX	£ GBP PRICE each
	AB1 has Vf 6.3v, Vg1 6.7v, Vg2 250v, Va 250v, Ia 30 mA, Ig2 4mA]. Free sample of Brimar 6CH6/CV4055 available [limited to one per customer].		
6CH6 / CV4055	Was used by the British military being of longer life and more reliable than EL84. Transformers designed for EL84, EL33, KT61 might be applied to 6CH6 if you have specialist knowledge. The 6CH6 gives a crisp low distortion audio output. 6CH6 is VERY similar to EL33 and KT61, but EL33/KT61 is octal base. 6CH6 also has similarities to EL84 (not equivalent). Data: Vf=6.3V, If=750mA, Va=250V, Ik=40mA, S=11mA/V, Pa=12W. More 6CH6 data http://tubedata.itchurch.org/sheets62.html EL33 data http://tubedata.itchurch.org/sheetsE1.html	OB/GVT	POA
6CH6 / CV4055	Brimar logo, UK NOS.	GVT	5.50 50 @ 5.00 300 @ 4.70
6CH6 / CV4056	CV4056 / F6132 Brimar logo UK NOS. These CV4056 are the same as 6CH6 above ** but with flying leads / wire ended. Wire-ended valves can be soldered directly into a PCB to give extra low noise advantage. Photo www.tave.co.uk Data/photo http://www.tubecollector.org/cv4056.htm	OB/WB	5.00 400 @ 3.00
6CH7	USA NOS.	OB/WB	10.00
6CL6	RCA / Raytheon / GE. USA. NOS. Clean and guaranteed. This B9A 6V pentode is used in some vintage audio equipment.	OB/GVT	4.00 50 @ 3.50
6CL6	Thomson, France. NOS, guaranteed, logo. This B9A 6V pentode fits some vintage audio equipment. Partly similar to 6V6G EL84. B9A base audio pentode. Photo www.tave.co.uk Data: 6CL6: Vf=6.3V, If=650ma, Va=250V, Ik=31mA, S=11mA/V, Pa=7.5W. 6V6G: Vf=6.3V, If=450ma, Va=250V, Ik=50mA, S=4.1mA/V, Pa=12W. More data http://tubedata.itchurch.org/sheets64.html	OB	4.00 20 @ 3.50 50 @ 2.00 600 @ 1.70
6CM3	Equivalent to 6DN3. GE, Westinghouse, Dumont & other USA NOS. All with logo, clean and guaranteed. 20 or 40 pieces of each brand. Clean & uniform appearance.	Most OB	9.00 200 @ 8.00
6CM6	USA. NOS. similar to 6973.	OB/WB	7.00
6CM7	Tung-Sol /other USA brands. NOS. Audio tube partly similar to 6973.	GVT/WB	2.80
6CM7 USED	Most, Westinghouse, some Raytheon. Used, tested/guaranteed. These are wrapped in polystyrene. No white box.	BULK	1.50
6CS7	USA / West European / Japan. NOS. Please enquire for available quantity.	OB/WB	12.50
6CW4	6CW4 or 6DS4 equivalent. RCA USA. NOS. Please enquire about bulk quantity.	OB	15.00
6CW4	USA & Japan. NOS tested guaranteed. No RCA. Please enquire about bulk quantity.	GVT	11.00 10 @ 10.00
6CW4 USED	These are probably unused . But store soiled appearance. Tested working guaranteed RCA and other USA made. Sets of 4 pieces identical. Data http://tubedata.itchurch.org/sheets64.html Photo on request.	WB	7.00 12 @ 6.00 75 @ 3.75
6CW4 / 8203	USA made. NOS.	OB/WB	17.50 20 @ 13.00
6CW4 / 8203 Grade One	USA brands. Potential audio type. This can be used in the front end of a tuner. Similar to 6CW4 but has different μ . Pin out and all other data are identical. Brief data as follows: filament 6V at 0.16 Amps, Ia=7mA, Gm=6mA/V. More data http://tubedata.itchurch.org/sheets8.html Photo http://www.radiomuseum.org/tubes/tube_8203.html	BP	8.00 10 @ 6.00 100 @ 4.00
6CX8	GE logo USA NOS, B9A base. One half is similar to ECC83. Other half is similar to EL84. Audio triode pentode.	OB	3.20 10 @ 2.60

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
	Data http://tubedata.milbert.com/sheets64.html		250 @ 2.20
6CY5	USA brands including Sylvania.	OB	2.40 50 @ 1.50
6CY7	USA. NOS. Sets of 2 the same may be possible.	OB/WB	15.00
6CY7	USA. Used tested mixed brands.	OB/WB	5.00
6CZ5	RCA logo. USA NOS.	Most OB	15.00 8 @ 13.00
6CZ5	USA NOS. Not RCA. Enquire for bulk prices.	Most OB	12.00
6CZ5 / 6GZ5	These are 6GZ5 NOS. Similar to 6CZ5 USA. NOS.	Most OB	3.00
6D6	USA / West European made. 10 in stock.	OB/WB	5.00
6D10	USA. NOS. 12 pin.	OB/WB	27.50
6D22S	Russian.	GVT	4.00 20 @ 3.00
6D22S	Try GEC UK top quality A2272. B9G sockets (SOC950) fit. A2272 data http://electronbin.com/sheetsA.html		
6D22S	For lower power operations try EY84 Mullard. EY84 has high pulse and slow warm up properties [similar to 6D22S] and both valves can operate from the same 6.3V supply. More DATA under the EY84 section.		
6DA6	Please refer to EF89 .		
6DC6	Raytheon, Sylvania & other USA NOS. Guaranteed. Data http://electronbin.com/sheets63.html	Most OB	6.00 10 @ 5.00 50 @ 4.00
6DE7	RCA, GE USA. NOS. Sets of 2 pieces same appearance, same brand.	Most OB	7.50
6DE7	Mixed USA brands. NOS. "Singles". None of these make 2 pieces of the same appearance. Hence low price.	OB/WB	5.50 10 @ 5.00
6DG6GT	USA NOS. GE / Raytheon / RCA / Sylvania / Tung-Sol. 20 of each brand.	OB/WB	3.00 20 @ 2.20 100 @ 2.00
6DJ8	Please refer to ECC88 and E88CC		
6DK6	Amperex / GE / RCA / USA brands. 100 pieces available.	OB/WB	2.50 10 @ 2.20 200 @ 2.00
6DL5	Please refer to EL95		
6DN7	16 x GE, 8 x Westinghouse. USA NOS with logo. Suits headphone amplifiers, preamps etc. Tested guaranteed. Sets of 2 pieces identical appearance.	Most OB	8.00 4 @ 7.00 24 @ 6.00
6DQ5	GE/Sylvania USA.	OB/WB	13.00
6DQ5 USED	GE/Sylvania USA. Used, tested, clean. Many look near new.	OB/WB	8.00 20 @ 5.00
6DQ6B	USA. NOS. Please enquire re brands. Audio type, partly similar to 6V6G.	OB	5.00 10 @ 4.50 50 @ 4.00
6DR6	Mix NOS. Similar to EL81.	Most OB	3.00
6DR7	Westinghouse, Sylvania, etc. USA. NOS etc. Enquire for quantity discounts.	OB	7.50
6DS4	Please refer to 6CW4 , exact equivalent.		
6DT8	Westinghouse & other USA. Potential audio type. Some similarities to ECC85.	OB	3.00 30 @ 2.40
6DW5 / 6BQ5	These are 6DW5, B9A base. Sylvania USA NOS, printed Zenith or Bogen. Similarities to EL84 / 6BQ5, but different pinout etc. B9A base. Audio pentode. Data http://electronbin.com/sheets64.html	WB	6.20 50 @ 4.00
6DZ4	Or 6T8 equivalent. Tung-Sol or RCA USA made, NOS.	Most OB	5.00 30 @ 4.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
6E5	USA or Japan NOS. 6 pin magic eye indicator.	Most OB	14.00
6E5C	Vintage NOS Russian. Similar to EM11, EM34 but not equivalent. This is 6E5C NOT same as UK / USA 6E5.	OB/WB	10.00 15 @ 7.50
6E5GT	Brimar etc, West Europe made. NOS with logo. Octal base magic eye. Data www.r-type.org/exhib/aaa0962.htm	OB/WB	25.00
6E7	North American manufacture	OB	8.00
6EB8	GE/Raytheon USA.	OB/WB	3.20 200 @ 2.00
6EH7	Please refer to equivalent EF183		
6EJ7	Please refer to equivalent EF184		
6EM5	35 Sylvania and 26 Westinghouse, USA NOS. Most have logos. Similarities to 6973. Data for 6EM5 and 6973 http://scottbecker.net/tube/index.html	Mostly OB	7.00 20 @ 6.40 60 @ 4.00
6EM7	NOS. Equivalent to 6EA7. USA / Japan.	Most OB	14.00
6EM7 USED	GE and other USA. Used, tested guaranteed.	WB	5.00
6EU7	RCA logo USA NOS. Audio double triode. Clean, tested guaranteed. With logo. B9A base. USA. NOS. In sets of 2.	OB	19.00 10 @ 17.00
6EU7 USED	USA used. Tested guaranteed. With logo. B9A base. In sets of 2.	OB	9.00 8 @ 8.00
6EU8	200 RCA, 400, Tung-Sol USA. NOS with logo. Triode pentode, partly similar to ECC83. Photo at www.tave.co.uk Data: 6EU8 - Vf=6.3V, If=450mA, Va=125V, Ik=12mA, S=6.4mA/V, Pa=3.1W. Data http://tubedata.itchurch.org/sheets65.html	Mostly OB	3.00 10 @ 2.20 600 @ 1.80
6EW6	USA NOS.	OB/WB	4.00 50 @ 3.20
6F5G	West European / North American brands.	OB/WB	17.00
6F5G	Please refer to H63 equivalent.		
6F6	GE, Sylvania etc. USA NOS with logo. Black metal audio valves. Similar to 6V6.	OB/GVT	10.00 40 @ 8.00
6F6 Grade One	RCA, Kenrad & other USA made. Black metal audio valves. Sets of 10 pieces, identical brand/appearance. Test as Grade One, guaranteed. Similar to 6V6. Data http://tubedata.milbert.com/sheets6.html	G1	7.50 40 @ 5.50
6G6 USED	Mixed USA brands. Used, not the best appearance, tested and guaran- teed.	GB	5.00 35 @ 4.00
6F6G	RCA, Sylvania, Raytheon & Westinghouse. USA or Canada. NOS. See also KT63 GEC UK exact equivalent.	OB/WB	25.00 8 @ POA
6F6G USED	RCA/Sylvania/Raytheon/Kenrad/GE USA. Used but test 60 percent emission or more. See also KT63 GEC UK exact equivalent.	WB	19.00 10 @ 12.00
6F6GT	Nat Union and other USA made, with logo. NOS. 3 or 4 USA brands. Similar to 6V6GT.	OB/WB	14.00 10 @ 13.00
6F6GT	Zaerix Russian made with logo. NOS. 30 look the same, tested guaranteed.	OB	7.00 30 @ 5.50
6F8G	USA NOS. Brands specified by you. Includes round anode. When available are GBP34.00 wholesale.	OB/WB	POA
6F8G	USA NOS brands chosen by us. No picking of brands allowed at this price. Normal anode.	OB/WB	15.00
6F14 / CV2243	STC / ITT. Improved data recently found! Audio pentode STC/ITT logo UK NOS. These CV2243 are equivalent to 6F14 but with a 9 pin base. These CV2243 are partly similar to EL84 but not equivalent. CV2243 is equivalent to STC 5A-206K. Between these 3 links you should get all the data/photos you need: photo www.tave.co.uk data www.tubecollector.org/cv2243.htm https://frank.pocnet.net/other/ServiceTypes/CVnumbers.html	OB/GVT	5.00 100 @ 4.00 400 @ 3.75
6F15	Mazda and other UK (NOS). Suits Murphy radios etc. 50 pieces in stock.	OB/WB	4.00
6F33	B7G audio pentode. Similar to EF91. STC ITT, UK NOS with logo.	Mostly GVT	5.00

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	Data www.r-type.org/exhib/aaa0063.htm or www.tubecollector.org/cv4064.htm		200 @ 4.50 500 @ 4.00
6FD7	RCA, GE USA. NOS. Sets of 2 pieces same appearance, same brand.	Most OB	7.50
6FD7	USA NOS. None of these make 2 pieces of the same appearance.	OB/WB	5.50
6FH8	Potential audio tube. RCA, NOS clean guaranteed, with logo. Might be useful as a driver for EL84 in SE mode. Data http://electronbin.com/sheets64.html	Most OB	8.50 150 @ 4.50
6FM8	RCA USA With logo. RCA logo USA NOS. Audio type. FM detector and AF voltage amplifier.	OB	2.50 50 @ 2.00
6FQ7	Please refer also to 6CG7, exact equivalent.		
6G5G / Y63	MOV, UK NOS. Many similarities to EM34. Data http://scottbecker.net/tube/sheet/155/6/6U5.pdf .	OB/WB	25.00 10 @ 22.00
6G5G	Please refer to Y65 .		
6G6G	USA NOS with logo. Mostly Kenrad. Audio tube.	OB/WB	8.50 20 @ 6.50
6G6G	Please refer also to equivalent VT198A .		
6GB8	Japanese NOS. Guide price GBP75 wholesale.	OB	POA
6GE5	USA NOS. Varied brands.	OB/WB	6.50 16 @ 6.00
6GH8A / 7199	These are 6GH8A triode pentodes. They can work as a substitute for the rare 7199 by adding an adaptor that is sold in USA. Data for both types http://scottbecker.net/tube/index.html USA NOS with logo. Approx 30 of each brand Zenith, GE, Sylvania & ECG.	OB	4.00 10 @ 3.00 120 @ 2.75
6GK5	Sylvania, GE & other USA NOS. Tested, guaranteed with logo. Audio triode for Conrad amplifiers/FM tuners. Detailed mid clarity and smooth treble response. Supported structure gives low microphony.	OB/WB	5.80 20 @ 4.75 100 @ POA
6GK5 / PC97	These are PC97 USSR NOS single triode. B7G BASE single triode. PC97 is almost identical to 6GK5 except the heater voltage. Russian made. NOS. PC97 data in the 6GK5/PC97 Mazda UK section, around page 30 of the catalogue.	OB	1.50 100 @ 1.40 200 @ 1.25
6GK5 / PC97	These are PC97 Mazda UK NOS single triode . Long lasting good quality B7G base triode. PC97 is almost identical to 6GK5 except the 4.5V heater. Data http://electronbin.com/sheetsP.html	OB	2.50 100 @ 2.40 200 @ 2.25
6GU7	RCA USA NOS.	Most OB	5.50 10 @ 5.00
6GW8	Please refer to equivalent ECL86 .		
6GX8	Please refer to EAM86 .		
6GZ5	USA NOS with logo. Similar to 6CZ5 and 6973.	OB/WB	3.00
6H1	STC logo, UK. NOS CV132 / 6H1 RF hexode mixer. It is designed to operate with a separate triode oscillator that injects into grid 3. The maximum design frequency is 20 MHz. Very similar to 6BE6, but heater takes only 200 mA. Suitable for mixer or frequency changer. More data http://tubedata.itchurch.org/sheets66.html Please don't confuse with Eastern made tubes of similar name.	OB/GB	2.00 10 @ 1.50 1,000 @ 1.00
6H1Pi / 6H1Π [6N1P]	Russian and a few Chinese made. Probably 1960s made. Printed 6H1P [Cyrillic script]. NOS, double triode with same pin out as ECC88. Similar to ECC88 and ECC83, but not equivalent. Data http://tubedata.itchurch.org/sheets67.html	BP	4.25 20 @ 2.80 100 @ 2.50
6H6	Kenrad/RCA/Sylvania/other USA brands. Black metal. These are clean and guaranteed. Potential audio type . Amazing low price!	OB/WB	2.40 100 @ 2.00
6H6G	USA NOS. Shoulder shape. Small quantity. Usually available.	OB/WB	14.00
6H6GT	Sylvania, Brimar & other UK/USA, NOS. Sets of 4 pieces same brand, same appearance. Potential audio type. Some are printed 6H6G but they're all straight sided shape.	OB/WB	3.00 10 @ 2.50

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TYPE	COMMENT	BOX	£ GBP PRICE each
6H6P / 6H6Pi	Russian "alias" 6N6P. B9A Audio double triode.	OB/WB	8.00 10 @ 6.50 100 @ POA0
6H23N	Refer to 6922 / 6H23N for stock details.	OB/WB	POA
6H30Pi	EH or Sovtek, grey pin. Depending what stock we have day to day. Both Russian new tested.	OB/WB	30.00 10 @ 27.00
6HB5	2 x RCA, 2 x Siemens, 2 x Westinghouse. USA made, NOS. Tested, guaranteed.	Most OB/WB	25.00 6 @ 22.00
6HS6	USA NOS.	Most OB	21.50
6J1	Please refer to EF95. Chinese made. NOS. hundreds in stock.		
6J4	CV5311 Mullard, UK, NOS, some have logo. Single triode. 6J4 has some similarities to ECC81 and EF92. 6J4 data http://tubedata.itchurch.org/sheets66.html	OB	5.00 4 @ 4.00 300 @ 2.30
6J4 / 6J4S	Thomson France NOS. They're 6J4S equivalent to 6J4. NOS perfect and guaranteed. 6J4S is a B7G base double triode with common cathode. Similarities to ECC81/12AT7. 6J4 - Vf=6.3V, If=400Ma, Va=150V, Ik=15Ma, S=12Ma/V, Pa=2.3W. Data http://tubedata.itchurch.org/sheets65.html Offers considered for orders over 100 pieces.	OB	3.00 10 @ 2.20
6J5	GE / Kenrad / other USA NOS.	GVT/WB	5.75 20 @ POA
6J5	RCA logo USA. NOS.	OB/WB	7.00 20 @ POA
6J5 Grade One	GE, Kenrad, Raytheon, RCA etc. USA made with logo. Black metal. Test as grade one. Guaranteed.	G1	3.00 20 @ 2.50
6J5 USED	GE, Kenrad, Raytheon, RCA etc. USA made with logos. Black metal. Used not new appearance but tested/guaranteed. Deduct 25p if you accept with no box.	WB	2.00 20 @ 1.80
6J5G	STC Brimar UK. NOS. Tested, guaranteed. Guide price GBP40 wholesale if available.	OB/WB	POA
6J5G	GEC UK NOS. Shouldered shape. NOS tested guaranteed. Sets of 2 pieces identical appearance, usually possible.	OB/WB	75.00
6J5G	Mullard logo, UK NOS. Shouldered shape. NOS tested guaranteed.	OB/WB	50.00
6J5G	USA NOS with logo. Mixed appearance. Raytheon & possibly Sylvania or Westinghouse. Shoulder shape.	GVT	30.00
6J5G Grade One	USA made. Raytheon, Sylvania, Tung-Sol, Westinghouse with logo. Grade One. Tested/guaranteed. Sorry, NOT sets of 2 pieces identical, (NOT same appearance). Shouldered shape.	G1	16.00 10 @ 11.00
6J5G USED	10 Raytheon and 10 Westinghouse, USA made. Tested used. Shoulder shape with logo. Used, tested/guaranteed.	WB	10.00 20 @ 7.00
6J5G USED	UK made. 2 of each. STC Brimar and Mullard. Shoulder shape with logo. Used, clean, tested/guaranteed.	WB	27.00 6 @ 24.00
6J5GT	Mullard UK NOS, metal base.	OB/WB	45.00
6J5GT	STC Brimar UK, NOS. With logo. Tested guaranteed. Sets of 2 of the same appearance.	OB/WB	33.00 4 @ 30.00
6J5GT	5 or 10 of each brand. All USA NOS with logo. Kenrad, RCA, Sylvania & Raytheon.	OB/GB	16.00 4 @ 15.00
6J5GT	New clean, tested guaranteed. GT shape. Metal base. These have similar appearance to USA item but they are Chinese made. Bargain price and good quality. Supplied in bulk pack/egg crate. We can supply plain white boxes for a small extra fee.	BP	3.00 10 @ 1.80 800 @ 1.50
6J5GT Grade One	4 pieces Brimar UK metal base. Also small quantity of Raytheon & other USA. Tested to Grade One standard.	G1	16.00 4 @ 15.00
6J5GT Grade One	Metal base. Brimar, Sylvania, Kenrad, Tungsram & Mullard. Tested to Grade One standard. Look good but don't look new.	G1	20 @ POA
6J5GT	8 metal base Kenrad. Small quantity Mullard UK metal base. Other	WB	9.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
USED	USA made, in stock. Sets of 2 pieces same brand, same appearance. Tested as used, guaranteed. Decent appearance.		8 @ 8.00
6J5GT USED	STC UK or Brimar UK, with logo. Tested as used, guaranteed. Decent appearance. Sets of 2 the same appearance.	WB	16.00 4 @ 14.00
6J5GT	Please refer to the following alternatives, not equivalents, for low cost alternative: 9002, 12J5GT, 6F5GT, 6C5GT.		
6J5WGT	Raytheon USA NOS, logo.	OB/WB	16.00 4 @ 15.00
6J6	Mullard, UK 6J6/CV4031 GVT print, no Mullard, logo . Please refer to ECC91 for pricing.		
6J6	Please refer to ECC91 for exact equivalent		
6J6 / 6J6A	USA NOS made including RCA, Sylvania and Westinghouse. Including 6101. In sets of 5 pieces, same brand same appearance.	Most OB	4.00 10 @ 2.50 100 @ 2.00
J6 / 5964	Sylvania, Raytheon or RCA. USA. NOS. With logo. These are 5964 with B7G bases and double triode with common cathode. Equivalent to 6J6. Similarities to 6J4 and ECC81. Data www.tubedata.org	Mostly OB	2.50 10 @ 2.20 50 @ 2.00
6J6 / 5964	Westinghouse, Sylvania, Raytheon. USA NOS. Data in above paragraph. Sorry at this price they are NOS, guaranteed but untested. Print may vary, some are egg crate / bulk pack.	OB/WB/BP	2.20 10 @ 1.80 300 @ 1.40
6J7	USA NOS. Black metal tube. Approximately 10 pieces of each brand. RCA, Ken-rad & Sylvania.	OB/WB	4.00 40 @ 3.00
6J7 USED	USA brands black metal. Used, not new appearance, decent appearance. Brands include RCA, Sylvania & Westinghouse. Tested guaranteed. Deduct 25p, if you accept in bulk pack, egg crate instead of white box.	WB	2.50 35 @ 2.00
6J7G	UK/USA. Shoulder shape. NOS. Please enquire for bulk quantity.	Most GB	23.00
6J7G / 8D2	These are 8D2 STC/Brimar UK NOS. Very similar to 6J7G but larger B7 base. Socket to fit in stock SOC7PT4C. Data http://electronbin.com/sheets81.html	OB/WB	13.33 32 @ 10.00
6J7G Grade One	Brimar/Other West European/USA brands.	G1	10.00
6J7GT	West European brands including Mullard, Brimar & Tungsram, UK.	OB/WB	7.50
6J7GT / 12J7GT	NOS 12J7GT. Fivre logo. NOS. Made in Italy using RCA tools and RCA collaboration. These 12J7GT are like 6J7GT but they have different heater. Data http://electronbin.com/sheets11.html	OB	5.00 80 @ 3.50
6JB6A	RCA LOGO USA made. NOS.	OB/WB	30.00 6 @ 25.00
6JE6C / 6LQ6	USA / JAPAN NOS. Same price for retail or wholesale on this item.	OB/WB	45.00
6JE6C USED	USA used. Tested/guarantee. Not new looking, but fair appearance.	BP	12.00
6JN6	USA, NOS guaranteed.	OB/WB	3.50
6JS6C	USA, Japan. NOS. Same price for retail or wholesale on this item. Several in stock.	OB/WB	35.00
6JS6C Grade One	USA manufacture including RCA, GE.	G1	18.00
6JE6C USED	USA or Japan. Used. Tested guarantee. Several in stock.	BP	11.00
6K6G	USA. NOS. Audio pentode.	OB/WB	8.00 8 @ 7.00
6K6GT	RCA, GE, KRAD, Sylvania, Westinghouse & other vintage USA made NOS. Audio pentode. PARTLY similar to EL84. In sets of 4 of the same appearance.	OB/WB	8.00 100 @ 6.00
6K6GT	Tung-Sol, logo USA made NOS. Audio pentode. In sets of 4 of the same appearance.	GB	10.00 30 @ 8.50
6K6GT USED	Sylvania, Kenrad, Tung-Sol and other vintage USA made. Used tested. Decent appearance, good print, in sets of 4 the same	WB	4.00 10 @ 3.50

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TYPE	COMMENT	BOX	£ GBP PRICE each
	brand/appearance. Audio pentode.		75 @ 2.50
6K7	Audio type. GE logo, USA NOS. Box & metal also printed CV1942. NOS & guaranteed. Black metal.	GB	4.00
	A remote-cut off variable Mu octal pentode, for audio compressors.		6 @ 2.80
			150 @ 2.60
6K7	Please refer to EF39 near equivalent.		
6K7G	GEC UK NOS. ST Shape. Equivalent to KTW63.	GVT	10.00
	A remote-cut off variable Mu octal pentode for audio compressors.		50 @ 7.50
6K7G	Ferranti UK NOS.	GVT	5.50
	Pentode for audio compressors.		5 @ 4.50
			200 @ 3.50
6K7GT	USA NOS. Audio tube. See 6K7G for more info.	OB/WB	3.00
			30 @ 2.80
6K8	RCA logo, USA NOS. Tested/guaranteed. Black metal.	OB/WB	5.00
6K8G	Most Brimar UK NOS, some IX USA NOS. Tested/guaranteed. ST shape.	OB/WB	4.00
			16 @ 3.00
6K8GT	Haltron logo, but believed UK made. NOS tested/guaranteed. Cheap, possible audio pentode.	OB/WB	4.50
			4 @ 4.00
			100 @ 3.00
6KD6	USA/Japan. NOS. When available GBP40 wholesale.	OB/WB	POA
6KD6 USED	Tested. USA / Japan.	WB	20.00
6KD8	Please see 6U8A and ECF82		
6KN8A	These are 6R-HH8A NOS. USA.	OB/WB	12.50
6KS6	GE, USA NOS. Etched as "6KS6". Possible audio type. 800 pieces. Deduct 25p if you accept in bulk pack, ie cheaper without WB. B7G pentode. Data http://tubedata.itchurch.org/sheets67.html Data Vf=6.3V, If=300mA, Va=330V, Ik=5mA, audio pentode. Photo www.tave.co.uk	WB	3.00
			10 @ 1.40
			800 @ 1.00
6L5G	West European/North American brands including RCA, Sylvania etc. Some similarity to 6J5G.	OB/WB	4.00
66L6	RCA logo. USA NOS. black metal. NOS tested guaranteed. NOS but they have small spots of rust on them hence reduced price.	OB	16.00
6L6	RCA logo and a few Kenrad logos. USA made. Tested as Grade One.	G1	12.00
Grade One	Unused but imperfect appearance due to long term storage.		10 @ 7.50
6L6 USED	RCA, used, tested and guarantee. 65 per cent emission.	BP	7.00
			10 @ 6.00
6L6	Please refer to 1619 RCA which is very similar but has 2.5 volt filament.		
6L6 / 1614	RCA USA. NOS black metal. These 1614 are near equivalent to 6L6.	OB	20.00
			6 @ 17.00
6L6G	Brimar logo. UK, NOS. Black glass. Black Base. Tested/guaranteed. A matched pair electrically and physically. The same, inside and out. 2 pieces. One match pair. The price is per tube.	GVT	61.25
			2 @ 60.00
6L6G	Mullard logo. UK. NOS.	Most GB	60.00
6L6G	Westinghouse. USA NOS with logo. Tested/guaranteed. Sets of 2 the same appearance.	Most GB	35.00
6L6G	Chinese. Test, clean, guarantee.	WB	6.00
6L6G	Raytheon or other Japan. NOS.	Most GB	25.00
6L6G	RCA USA. Mullard UK. NOS with logos. Clean, tested/guaranteed.	Most GB	52.00
6L6G	Sylvania, Westinghouse or other USA NOS with logos. Clean, tested/guaranteed. 8 pieces but 8 different brands. Regret none are 2 of the same appearance.	OB/WB	30.00
			8 @ 24.00
6L6G	4 x RCA, 4 x Sylvania and 4 x Westinghouse, USA with logo. Tested as grade one, and guaranteed. Quantities vary every week. Please enquire for current availability.	G1	24.00
Grade One			4 @ 18.00
			12 @ 16.00
6L6G USED	Brimar logo. UK, NOS. Black glass. Black Base. Used, tested, guaranteed. Set of 2 pieces, the same inside and out.	WB	31.00
			2 @ 27.50

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6L6G USED	Brimar logo. UK, used. Black glass. Black Base. Tested, guaranteed. NOT a set of 2 pieces, means 2 pieces of different appearance . 2 pieces of similar electrical properties maybe possible.	WB	25.00 6 @ 21.50
6L6GA	Chinese. Tested, with guarantee.	WB	7.00
6L6GA	USA NOS. 2 of this brand, 4 of that brand. Brimar UK, Sylvania USA, etc.	GB/WB	30.00 4 @ 25.00
6L6GA Grade One	USA. Test as grade one. Don't look new but look decent.	G1	18.00
6L6GAY	Sylvania logo. USA NOS. Sets of 4 or 8 same appearance. Matched pairs should be possible.	WB	30.00 8 @ 25.00
6L6GB	Sylvania, with logo. USA. NOS. Sets of 2 pieces same appearance.	OB/WB	40.00 4 @ 35.00
6L6GB	RCA back anode with logo. USA. NOS. Sets of 2 pieces same appearance.	OB/WB	55.00 2 @ 50.00
6L6GB Grade One	2 x RCA, 2 x Sylvania with logo, USA.	G1	30.00 4 @ 27.00
6L6GC	Refer also to 6L6G China, low cost near equivalent.		
6L6GC	BILLINGTON GOLD. Russian manufacture. Guarantee. Please refer to page 6 for full details. Special Offer.	OB	7.75 50 @ 7.25
6L6GC	Chinese or other foreign made. Includes groove tube. Supplied in sets of 2 identical appearance.	OB/WB	6.00
6L6GC	ECG Philips logo. USA NOS. 8 pieces look the same. Matched pairs may be possible. Very attractive appearance.	OB	65.00 8 @ 60.00
6L6GC	USA. NOS. Includes GE, excludes RCA. 2 pieces look the same.	OB	60.00
6L6GC	USA. NOS. Singles. None of these make sets of 2. Meaning no 2 pieces look the same. We may be able to find 2 pieces with similar electrical properties, but not the same appearance.	OB/WB	55.00
6L6GC	RCA logo, USA. NOS. Black anode. Sets of 2 that look the same. GBP 140.00 per tube.	OB	140.00 4 @ 125.00
6L6GC	Russian, NOS. Alias 6L6GB or 6L6GT.	Most OB	7.00 100 @ 6.00
6L6GC	Svetlana Russian. Svetlana 'C' logo. When available.	OB/WB	POA
6L6GC Grade One	RCA logo, USA. NOS. Black anode. Shorter vintage version made in (we believe) the 1960s. Singles for GBP80. Sets of 2 that look the same GBP100 per tube, wholesale. Grade 1. Don't look new but look decent with good print and around 80percent emission. Electrical match pairs may be possible on request.	G1	100.00
6L6GC Grade One	Sylvania and Westinghouse with logo USA. Test as grade one. Guaranteed. Supplied in sets of 2 pieces identical.	G1	27.00
6L6GC USED	RCA logo, USA NOS. Used, not new but tested, approximately 65 percent emission.	WB	40.00
6L6GC USED	Sylvania, RCA and Westinghouse, USA. Used, not clean but tested working. Test approximate 65-75 percent emission, guaranteed. They have poor getters or a small crack in the base, or missing spigots, hence cheap price. Sets of 2 pieces of the same appearance maybe possible, but electrical matching will not.	WB	20.00 8 @ 10.00
6L6GT	BILLINGTON GOLD. Please refer to 6L6GC for information.		
6L6WGA / 5932	USA, NOS. 5932 / 6L6WGA is the same as 6L6G but has high temperature base. Photo www.r-type.org/exhib/aaa0155.htm Data: Vh=6.3, Ah=0.9, Va=350, Vs=250, Vg=-18, mAa=54, mAs=2.5, ra=33K, gm=5.2, 11W.	WB	25.00 6 @ 22.00
6L6WGB	Please refer to 5881 exact equivalent.		
6L6WGC	Please refer to 5881 exact equivalent.		
6L6Y	Please refer to 6L6		
6L7	USA NOS black metal, RCA Kenrad etc Data: Vf=6,3V, If=300mA, Va=250V, Ik=3mA	OB/WB	2.75 20 @ 2.50

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
	More data http://tubedata.itchurch.org/sheets67.html		100 @ 1.75 250 @ 1.50
6L7G	West European/North American brands including Fivre and Sylvania. Distant relation to 6L6G.	OB/WB	4.50
6L7GT	Fivre Italy made NOS. Potential audio type. Distant relation to 6L6G.	OB	4.30 6 @ 4.00 100 @ 3.70
6LB6	USA NOS compactron. 6LB6 may successfully replace 6JS6C. You may need to add 20 pF capacitor, in series with the variable neutralization capacitor. It is up to YOU to research this on the internet. We cannot advise on technicalities on this one. Data http://electronbin.com/sheets65.html	OB/WB	15.00
6LB6 USED	USA. Used, tested. Decent appearance. Guaranteed. 12 pin pentode.	WB	7.50
6LF6	USA or Japan. NOS. Several pieces in stock.	OB/WB	30.00
6LQ6	USA / Japan. NOS. Same price for retail or wholesale on this item. Several pieces in stock.	OB/WB	45.00
6LQ6 USED	USA / Japan. Used, tested. 10 or more usually in stock.	WB	16.00
6LQ6	USA brands. Several pieces in stock.	G1	20.63
Grade One			
6LQ8	USA manufacture including RCA, GE.	OB/WB	28.00 6 @ 27.00
6M5	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	POA
6N1P	Please refer to 6H1P.		
6N2P / 6H2pi	These are Chinese or Russian 6N2P/6H2pi. Equivalent to ECC41 6AX7. Suitable for Fatman audio amplifiers. New Clean. Near equivalent to ECC83, but slightly different pin out. The triodes work in series only from pins 4 and 5. There's no centre filament tap at pin 9 as in ECC83. Data Vf=6.3V, If=750Ma, Va=300V, Ik=45Ma, S=11Ma/V. More data http://frank.pocnet.net and look for the 6N2 section. More data in block 345 of Vade Mecum. Near offers welcome if buying 100 pieces or more.	WB	3.00 4 @ 2.67 100 @ 2.00 300 @ 1.75
6N6P / 6H6π	Linear double triode. Has similarities to E182CC and 3A167M but has different pinout. Made in "Souz" military plant, Russia. Refer to 6H6P for our stock.	WB	POA
6N7	RCA / Westinghouse, USA. NOS black metal.	OB/WB	5.00
6N7C	Russian manufacture. Please refer to 6BG6G . [NB - 6N7C is not similar to 6N7G].		
6N7G	USA NOS.	OB/WB	30.00
6N7G USED	Mullard UK NOS.	OB/WB	70.00
6N7GT	Russian, OTK logo. NOS, vintage with guarantee hundreds in stock . Similar to 6SN7GT. 6SN7 and 6N7 both octal base. 6N7 has only one cathode. Data: 6SN7 = Vf = 6.3V, If = 600 mA, Va = 250V, Ia = 10 mA, gm = 2.6mA/V, Pa = 2.5W. 6N7GT = Vf = 6.3V, If = 800 mA, Va = 250V, Ia = 3 mA, gm = 1.5mA/V, Pa = 5.5W More data for both types www.tubedata.org Please note that these are 6N7 not 6SN7.	OB	4.00 5 @ 2.50 100 @ 1.75 200 @ 1.20 1,500 @ 1.00
6N7GT	USA NOS	OB/WB	7.00
6P5G	USA NOS	OB/WB	15.00
6P5GT	USA NOS	OB/WB	15.00
6P13S	These are new Chinese 6P13P, equivalent to 6P13S. They're partly similar to EL36 but different pin out. Data http://tubedata.itchurch.org/sheets64.html	OB/WB	2.00 50 @ 3.50

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TYPE	COMMENT	BOX	£ GBP PRICE each
6P25	Mazda UK. NOS. GBP50 wholesale. When available.	OB/WB	POA
6P25 Grade One	Mazda, UK. Test as grade one. Not new appearance. Is near equivalent to EL33, KT61. Guaranteed.	G1	30.00
6P26	Mazda logo UK NOS. Many similarities to audio pentode such as to EL33, KT61.	OB/WB	15.00 4 @ 14.00
6P28	Mazda logo, UK NOS. When available.	OB/WB	15.00
6P28 Grade One	Mazda logo, UK Grade One	G1	8.00
6Q7G	Brimar UK NOS. Military print CV587. 6Q7G is similar to half of an ECC83. 6Q7G is a single triode with octal base.	GB	12.00 10 @ 11.00 30 @ 10.00
6Q7G Grade One	Brimar UK CV587. Unused. In the original military crates. These look new but some test at 80 percent emission, some have the glass SLIGHTLY "off centre". Will work fine in your amplifier.	GB	9.00 10 @ 8.00 60 @ 7.00
6Q7G / DH63	These are DH63 MOV / Marconi / Osram. UK NOS. Shoulder shape. Several different appearances (metal base, black base, etc). Supplied in sets of 2 or 4 pieces of identical brand/identical appearance.	OB/WB	20.00 25 @ 15.00
6Q7GT	USA NOS. 6Q7GT is similar to half of an ECC83. 6Q7GT is a single triode with octal base.	OB/WB	5.00
6Q7GT	Brimar UK, MOV / GEC UK. NOS.	OB/WB	8.00
6R7	USA NOS. black metal. Various brands.	OB/WB	2.50
6R7G	12 Sylvania, 12 Westinghouse, 30 other USA NOS. Audio triode. USA made. All with logo. 6R7G is an octal based triode with double diode. An audio tube approximately equivalent to half of a 6SN7. Data http://tubedata.itchurch.org/sheets68.html	Mostly OB	3.40 10 @ 3.00 50 @ 2.75
6R7GT	12 Visseaux France, 12 Hytron USA, 12 Kenrad USA, 12 Sylvania, 12 Westinghouse, 100 other USA NOS. Audio triode. 6R7GT is an octal based triode with double diode. An audio tube approximately equivalent to half of a 6SN7. Data http://tubedata.itchurch.org/sheets68.html	Mostly OB	3.40 10 @ 2.80 150 @ 2.75
6S4A	GE USA. NOS. This B9A triode is called an audio type in Vacuum Tube Valley 07/01. Data http://tubedata.itchurch.org/sheets69.html	OB/WB	10.00 8 @ 6.00
6SA7	Amperex/Sylvania/Westinghouse/other USA NOS.	OB/WB	2.40 10 @ 2.20 100 @ 2.00
6SB7	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	POA
6SC7	Kenrad/GE/RCA, NOS USA made. Octal double triode for audio. Some similarities to 6SN7.	OB/WB	15.00 4 @ 14.00
6SC7GT	6SC7GT or 6SC7GTy, Tung-Sol USA NOS, most with logo. USA made. Tested.	Most OB	26.00
6SC7GT Grade One	USA made, Tung-Sol.	G1 box	20.00
6SF5	USA NOS with logo. Black metal. Mix brands including RCA, Sylvania & Tung-Sol. Audio triode.	WB	4.00 6 @ 2.80 100 @ 2.10
6SF7	Black metal, octal base audio triode with SOME similarity to 6J5G. Data: Vf=6.3V, If=300ma, Va=250V, Ik=12mA, S=2mA/V. USA NOS including Sylvania.	OB/WB	4.50 10 @ 3.40 70 @ 3.00
6SF5GT	USA NOS. Audio triode. Usually available.	OB/WB	6.00
6SF5GT	USA NOS with logo. Mix of brands including RCA, Sylvania & Tung-Sol. Audio triode.	OB/WB	8.50 60 @ 6.50
6SG7	50 x GE, 50 x RCA, 50 x Kenrad. NOS. 6SG7 has similarities to EF86 but 6SG7 is octal base. More data on request.	Most GVT	4.00 5 @ 3.33 200 @ 3.20

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TYPE	COMMENT	BOX	£ GBP PRICE each
6SG7Y	RCA logo USA NOS. 6SG7 has similarities to EF86 but 6SG7 is octal base. More data on request.	GVT	4.00 5 @ 3.33 200 @ 3.20
6SH7	RCA or Kenrad. Logo USA. Black metal. New, unused but small specks of rust on the metal due to long-time storage. Hence half price, audio pentode.	GVT	2.00 12 @ 1.34 50 @ 1.25
6SH7GT USED	USA. GT glass. Used, tested, working.	WB	3.00
6SJ7	USA, NOS with logo. Black metal. Mostly RCA, a few Kenrad or other USA NOS.	OB/WB	4.30 50 @ 3.50
6SJ7 Grade One	Kenrad, RCA or other USA. Used, do not look new, small spots of rust. Tested, guaranteed.	GB	3.00 10 @ 1.80 30 @ POA
6SJ7GT	NOS. Believed to be Japanese.	WB	11.00
6SJ7GT	RCA, Sylvania and other USA NOS with logo. Tested, guaranteed. Sets of 2 the same appearance.	OB	14.00
6SJ7GT USED	USA with logo. USED, Tested Guaranteed. Set of 2 pieces the same appearance. Good print, but do not look new.	WB	7.00 4 @ 6.00 20 @ 5.50
6SJ7GT Grade One	20 pieces. Raytheon logo USA. Probably NOS (NOS) but the metal in the base has slightly dull colour due to long-time storage, hence reduced price. Tested/guaranteed. Sets of 4 or more of the same appearance.	G1	10.00 20 @ 8.00
6SJ7Y	RCA USA.	GVT	3.00
6SK7	Please see 6SK7/WA exact equivalent.		
6SK7 / 6137	These are 6137 equivalent to 6SK7. GE 5 star logo. NOS and clean. Audio pentode.	Colourful OB	5.00 20 @ 4.00 100 @ 3.00
6SK7GT	Chinese new guaranteed. Audio pentode. Some similarities to EF86. Data same as 6SK7W USA below.	WB	2.40 15 @ 1.20 50 @ 1.10
6SK7W	RCA and Kenrad, USA NOS with logo and Guarantee. Remote cut off broadband audio pentode. Partly similar to EF86. Data tubedata.itchurch. Photos www.tave.co.uk Vf=6.3V, If=300mA, Va=250V, Ik=10mA, S=2mA/V.	Mostly OB	4.00 5 @ 3.00 400 @ 2.20
6SK7WA	RCA, GE, USA NOS with guarantee. For information, data/photos, please refer to the 6SK7W RCA section, above.	Mostly OB	4.00 5 @ 3.00 400 @ 2.20
6SL7GT	BILLINGTON GOLD. Russian or Chinese manufacture. With guarantee. NOS, clean and tested to special standard. Great audio quality.	OB	9.00 50 @ 8.00
6SL7GT	CV1985 Brimar UK made. NOS. Clear glass, tested/guaranteed.	OB/WB	82.50
6SL7GT	China, new, tested, guaranteed. Deduct 25p if you accept bulk pack not WB.	OB/WB	5.50 50 @ 4.40
6SL7GT	Russian. Conditional guarantee. NOS. Deduct 25p if you accept bulk pack not WB.	OB/WB	8.00 70 @ 7.00
6SL7GT	USA made. NOS. Tested/guaranteed with logo. GE, RCA, Tung-Sol & Sylvania usually available.	OB/WB	20.00
6SL7GT	USA. NOS. Tested/guaranteed with logo. These are mixed appearance, some full size base, and different anode colours. Due to mixed appearance they are REDUCED price. Brands include Raytheon, Westinghouse, GE, RCA, Tung-Sol USA, Sylvania. No 2 pieces are of the same appearance.	OB/WB	13.00 8 @ 11.00 24 @ 10.00
6SL7GT / VT229	Sylvania USA NOS with logo. All are VT229 special quality version.	GBox	33.00 20 @ 31.00 40 @ 30.00
6SL7GT	CV1985 Brimar UK made. Clear glass, tested as grade 1, guaranteed.	G1	55.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
Grade One			
6SL7GT	RCA/Sylvania, USA with logo. Tested as Grade One.	G1	9.50
Grade One			
6SL7GT USED	USA brands. Sylvania, Kenrad, Raytheon and Westinghouse with logos. Used, not new appearance but tested and guaranteed.	WB	7.00
6SL7WGT	USA. NOS. Tested and guaranteed with logo. Full size base. 2 Tung-Sol & 8 Sylvania. Sets of 2 of the same appearance.	OB/WB	26.00 8 @ 22.00
6SN7GT	BILLINGTON GOLD logo. Russian NOS. We've received very positive reports from audio customers using this in amplifiers. High audio quality and product reliability. Tested within very tight limits. Guaranteed.	OB	7.40 50 @ 6.00
6SN7GT	Brimar logo made by Fivre in Italy. NOS Tested, guaranteed. When available approximately GBP 70.00	OB	POA
6SN7GT	Brimar logo UK NOS. Red logo. Tested, guaranteed. Clear glass.	OB	140.00 4 @ 135.00
6SN7GT	Brimar UK NOS. KB/FE version. Tested, guaranteed. Black glass. Guide price GBP 400.00 if available.	OB/GVT	POA
6SN7GT	Hytron logo. USA NOS. Tested/guaranteed.	OB/WB	31.00 10 @ 29.00
6SN7GT	Mullard, logo, UK. NOS. Rare. If available GBP 175 wholesale price.	OB/WB	POA
6SN7GT	RCA logo USA. NOS.	Mostly OB	25.00 10 @ 24.00
6SN7GT	Russian NOS guaranteed. Positive comments from eBay customers including, "Outstanding bargain. Out performing Shuguang onion shape!" Clean, uniform. Deduct 25p if you accept with no box, (bulk pack or egg crate). These are Sovtek style (grey anode, clear top). Some have Sovtek logo. Some have OTK logo. Some are plain print. Bargain price!	OB/WB	6.00 4 @ 5.00 20 @ 3.34 100 @ 3.20
6SN7GT	Sylvania "Bad boy" version. Bad boy has: • 3 holes in the black T anode (most people agree that 2 hole version is acceptable). • Top mica with 3 small triangular edges, bent down, on each side. • Date code 1xx, 2xx or 3xx, meaning 1951, 1952, 1953. • Full-size black base with green Sylvania or JAN CHS logo. • Copper grid posts. Shiny rectangular mica. Guide price GBP60 wholesale.	OB/WB	POA
6SN7GT	Tung-Sol logo. Genuine USA made NOS, but not round plates.	OB/WB	31.00
6SN7GT	Tung-Sol logo in silver on black. Round plate USA NOS. Black glass 1940s made. Guide price GBP100 wholesale. Please enquire.	OB/WB	POA
6SN7GT	USA NOS with logo and guarantee. 8 x Kenrad. Sets of 2 identical appearance.	OB/WB	42.00 8 @ 40.00
6SN7GT	All USA made. NOS tested, clean. Guaranteed with logo. In sets of 2 or more. GE, Raytheon & Sylvania.	OB/WB	28.00 16 @ 25.00
6SN7GT	Brimar logo UK. Sets of 2 pieces, identical appearance. Tested as Grade 1. 80 percent emission, good appearance, not new appearance. Guaranteed.	G1	110.00
Grade One			
6SN7GT USED	Brimar logo / KB-FE, UK made. Used, tested and guaranteed. Clear glass.	WB	80.00
6SN7GT USED	All USA made. Used, test at 65-75 percent emission, clean. Guaranteed with logo. In sets of 2 or more. 8 x GE, 12 x Raytheon, 8 x Sylvania, 4 x Tung-Sol USA.	WB	14.00 Bulk @ POA
6SN7GT / 6N7GT	Russian, OTK logo. NOS, vintage with guarantee. Hundreds in stock. Similar to 6SN7GT. 6SN7 and 6N7 both octal base. 6N7 has only one cathode. Data 6SN7 = Vf = 6.3V, If = 600 mA, Va = 250V, Ia = 10 mA, gm = 2.6mA/V, Pa = 2.5W.	OB	4.00 5 @ 2.50 100 @ 1.75 200 @ 1.20 1,500 @ 1.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	6N7GT = Vf = 6.3V, If = 800 mA, Va = 250V, Ia = 3 mA, gm = 1.5mA/V, Pa = 5.5W. More data for both types www.tubedata.org Please note that these are 6N7 not 6SN7.		
6SN7GTA	RCA NOS. Usually available.	OB	POA
6SN7GTA	GE, Raytheon & Sylvania, most with logo. Made in USA. NOS, tested, clean. Guaranteed. Full size base. In sets of 2 the same appearance.	OB/WB	27.00 Bulk @ POA
6SN7GTA USED	USA made. Used, test at 65-75 percent emission. Guaranteed with logo. In sets of 2 or more. Not new but decent appearance. 6 Sylvania, 12 Westinghouse, 6 GE, 8 RCA.	WB	12.00 32 @ 10.00
6SN7GT / VT231	USA VT231. NOS with logo and guarantee. Raytheon & RCA.	OB/WB	42.00
6SN7GT / VT231	USA NOS, Kenrad, VT231. Logo, tested. Guarantee.	WB	140.00
6SN7GT / VT231	USA VT231. NOS with logo, guarantee. Tung-Sol, L round anode.	OB/WB	275.00
6SN7GT / VT231 USED	USA including RCA, Sylvania. Raytheon VT231.	WB	25.00
6SN7GT / VT231 USED	Kenrad USA made. Test only 50 percent emission.	WB	30.00
6SN7GT / VT231 USED	USA including Kenrad, RCA, Sylvania. VT231.	WB	25.00
6SN7GTB	30 GE, 8 Sylvania. Most with logo. Made in USA. NOS, tested, clean. Guaranteed. Full size base. In sets of 4 or more. 4 the same appearance. 4 tall size, 4 shorter, 4 grey anode, 4 black anode, 4 white print, 4 red print etc.	OB/WB	28.00 8 @ 25.00 38 @ 23.00
6SN7GTB	Raytheon USA, Tung-Sol & Westinghouse. All USA NOS with logo, except Toshiba Japan. All tested with logo/guaranteed.	Mostly OB	28.00
6SN7GTB	Raytheon logo. Made in Japan by Toshiba. Grey anode. NOS, tested, clean. Guaranteed.	OB/WB	32.00 4 @ 31.00
6SN7GTB	Raytheon logo. Made in Japan by Hitachi. Black anode. NOS, tested, clean. Guaranteed.	OB/WB	32.00 4 @ 31.00
6SN7GTB	RCA logo. USA NOS. Tested/guaranteed.	OB	30.00 8 @ 27.00
6SN7GTB	Tung-Sol logo. Made in USA. NOS, tested, clean. Guaranteed.	OB/WB	25.00
6SN7GTB	RCA logo. USA. 6SN7GT/ 6SN7GTB. Grade One. Guarantee.	G1	22.00
Grade One			Bulk @ POA
6SN7GTB	Sylvania. Westinghouse etc. Grade One. Tested, logo, guarantee.	G1	10.00
Grade One			
6SN7GTB USED	RCA logo. USA. Used, tested, decent appearance. Guaranteed. Enquire about bulk quantities.	WB	12.00 36 @ 9.50
6SN7GTB USED	All USA made. Used, test at 65-75 percent emission, clean. Guaranteed with logo. In sets of 2 or more. 12 GE and 6 or more of each of the following: Raytheon, Sylvania, Tung-Sol, Westinghouse.	WB	12.00 36 @ 10.00 Bulk @ POA
6SN7GTY	Please refer to 6SN7GT .		
6SN7W	Sylvania USA NOS. Black/brown base. Sometimes available approx GBP100 wholesale price.	Most GB	POA
6SN7W	Sylvania USA with logo. NOS. Metal base. Guide price GBP150.00.	Most GB	POA
6SN7WGTA	Sylvania. NOS. 2 pieces. Tested with logo. Estimate, made between 1952-1972. GE NOS 2 pieces, Tung-Sol NOS 4 pieces & 6SN7WGTA NOS Tung-Sol 2 pieces.	OB/WB	48.00
6SN7WGTA USED	Raytheon, Sylvania, Tung-Sol. 2 pieces of each. Tested with logo. Used but test and look near new.	WB	24.00 6 @ 18.00
6SN7WGT	Sylvania yellow logo, light brown base, black anode. Tested. Estimate 1960s made. Original box slightly scruffy. Sylvania Military grade, black plates. 4 pieces same appearance. Matched pair maybe possible.	OB	45.00 4 @ 40.00
6SN7W / 6SN7A	These are 6SN7A metal base. Equivalent to 6SN7W. Sylvania logo USA made. Estimated 1940s or 1950s made. Grade one, meaning test	1 only G1	110.00
Grade One			

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TYPE	COMMENT	BOX	£ GBP PRICE each
	near new, decent appearance, but not new appearance.		
6SN7W Grade One	Sylvania, GE or similar USA made. Black/brown base. Grade one meaning good used. Tested approximate 80 percent emission. Decent appearance. We might find 2 pieces that look the same or 2 pieces with similar electrical current.	G1	80.00 2 @ 75.00
6SN7W	Sylvania, GE or similar USA made. Black/brown base. Used, decent appearance, tested around 65 percent emission. We might find 2 pieces that look the same, or 2 pieces with similar electrical current.	WB	55.00 4 @ 50.00
6SQ7	USA NOS.	OB/WB	6.00
6SQ7	China new. Clean and guaranteed.	OB/WB	4.00 30 @ 3.00
6SQ7GT	Japanese NOS. Most ITT, few Raytheon. 6SQ7GT is similar to half an ECC83. 6SQ7GT is 2 diodes and single triode with octal base. ECC83 is a B9A base double triode.	OB/GVT	7.00 4 @ 6.00 50 @ 4.00
6SS7	RCA USA NOS. Black metal.	GVT	3.50 20 @ 3.00
6SU7GT	Tung-Sol logo USA NOS round plate. Usually available at GBP40 wholesale.	OB/WB	POA
6U5G	West European 8 pin version. The USA made 6 pin version is a higher price.	OB/WB	16.00
6U7G	Sylvania USA NOS. ST shape. RF pentode with possible audio applications.	OB/WB	4.00 21 @ 3.20 300 @ 3.00
6U8A	Telefunken higher price when available.		
6U8A	Tungsram made in Hungary with "international" logo. NOS. Useful audio tube. Data on request. Bargain price! Colourful OB. This tube replaces 7199 by fitting an adapter. We can advise you suppliers of adapters.	OB	3.00 5 @ 2.00 100 @ 1.75 300 @ 1.70
6U8A	GE, RCA and major USA manufacturers. With logo.	OB/GVT	5.00 50 @ 4.60
6V3A	West European/North American brands including Sylvania, GE, GEC.	OB	3.00
6V6	USA NOS with logo, black metal. RCA, Ken-Rad, Sylvania etc. In sets of 2 pieces of the same appearance.	OB/WB	13.00 8 @ 12.00
6V6 Grade One	USA test as grade one. Black metal. In sets of 2 pieces of the same appearance. Kenrad, RCA, GE, Raytheon, other USA brands. Matched pairs may be possible. Do not look new but look decent and guaranteed.	G1	9.00 8 @ 8.00 16 @ 7.00
6V6 USED	RCA logo and other USA. Black metal. Used not new appearance but tested and guarantee.	OB/GVT	5.00 10 @ 4.00
6V6	Please refer to 6F6G near equivalent.		
6V6G	Brimar logo. UK made. NOS. Shouldered shape. Sets of 2 pieces identical appearance.	OB/GB	50.00 4 @ 42.00
6V6G	GEC UK made NOS. Grey glass. 4 pieces the same appearance. Shouldered shape.	OB/GB	55.00 2 @ 45.00
6V6G	Fivre made. NOS. Made in Italy using RCA tools and RCA collaboration. Brown base, grey glass usually available.	WB	20.00
6V6G	UK NOS. Tested, guaranteed. Mullard or other UK made.	WB	50.00
6V6G	USA or Canada made. NOS. Tested and guaranteed. Not in sets of 2 pieces identical appearance, ie singles.	WB	20.00 12 @ 18.00
6V6G Grade One	Brimar/Westinghouse/Cossor and others. Tested as Grade One.	G1	POA
6V6G USED	Brimar, Cossor, Westinghouse and others. These are used, tested and guaranteed.	BB	POA
6V6G USED	USA or Canada made. Used, tested and guaranteed. Singles, no 2 pieces are the same appearance. Therefore the price is reduced.		10.00 8 @ 8.00
6V6G	Please refer to 6F6G for a similar item/near equivalent.		

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
6V6G	Please see KT74 for possible alternative, not equivalent.		
6V6GT	BILLINGTON GOLD. New tested guaranteed. USA.	OB	10.00
6V6GT	Brimar logo, UK NOS, sets of 2 pieces identical appearance. Black glass. Tested guaranteed.	OB/WB	40.00 4 @ 32.00 16 @ 30.00
6V6GT	Hytron or CBS, USA NOS. When available are GBP28 wholesale.	OB/WB	POA
6V6GT	Ken-Rad USA NOS. Black glass. Estimate 1950s made. Set of 8 pieces of the same appearance.	WB	30.00 16 @ 26.00
6V6GT	Mullard logo, UK NOS. Mixed appearance.	OB/WB	33.00 4 @ 30.00
6V6GT	MWT logo (MWT is Marconi). Sold out – please enquire.		POA
6V6GT	RCA, USA. NOS. RCA silver logo, 1950s made. Smoked glass, black plates. Please enquire re larger quantity.	WB	30.00
6V6GT	RCA, USA. NOS. RCA red logo, probably 1960s made. Grey anode. 16 pieces. Sets of 4 pieces of the same appearance. Please enquire re larger quantity.	WB	18.00
6V6GT	RCA silver logo USA. Estimate 1960s made. USA NOS. Choose grey glass, black base or clear glass, brown base. Please enquire re larger quantity.	OB/WB	30.00
6V6GT	RCA red logo 1970s made. USA NOS. Sets or 4 pieces of the same appearance. Clear glass, black full size base. Please enquire re larger quantity.	Most OB	17.50
6V6GT	Russian made 6P6S 6П6C NOS Soviet. Guaranteed. Tested, good quality. Match quads available for extra fee.	OB/WB	6.00 100 @ 5.50
6V6GT	Sylvania logo USA NOS. Sets of 4 pieces of the same appearance.	OB/WB	23.00 32 @ 20.00
6V6GT	Sylvania logo USA NOS. BLACK glass. Sets of 4 pieces of the same appearance.	OB/WB	28.00 4 @ 27.00
6V6GT	Sylvania logo USA NOS. CLEAR glass. Sets or 2 pieces of the same appearance.	OB/WB	23.00 4 @ 22.00
6V6GT	Tung-Sol logo, vintage made. USA NOS. When available are GBP8.00 wholesale.	OB/WB	POA
6V6GT	20 each of Westinghouse, Raytheon, Sylvania and GE. All USA made NOS. Tested, logo and guarantee. Supplied in sets of 10 pieces of the same brand/appearance/printing. Sets of 4 pieces may be possible, please ask.	OB/WB	18.00 10 @ 17.00 80 @ 15.00
6V6GT	10 each of Hytron, Kenrad, Westinghouse, Raytheon and Sylvania. All USA made NOS. Tested, logo and guarantee. None of these make sets of 2 the same, hence the low price.	OB/WB	15.00 50 @ 10.00
6V6GT	Please refer to 6AQ5 or 6005. These 3 valves are electrically equivalent except 6V6GT is octal base, 6AQ5 is B7G base.		
6V6GT	Please refer to 6F6GT for a possible alternative, not equivalent item.		
6V6GTA	USA made, NOS tested guaranteed, GE logo. Ex-military. 25 pieces the same appearance. These have thin, coin base, also known as nude base.	OB	22.00 8 @ 20.00 25 @ 17.00
6V6GT Grade One	RCA USA made x 10, plus a few pieces Fivre Italy, Mullard UK, Tung-Sol old USA. Tested as Grade One. All with logo.	G1	16.00
6V6GT Grade One	Hytron, Kenrad, Raytheon, RCA, Sylvania, Tung-Sol, USA made, with logo. Tested as Grade One. Guaranteed. In sets of 4 pieces identical print and construction.	G1	16.00
6V6GT USED	Brimar logo, UK, sets of 2 pieces identical appearance. Black glass. Used, working. Tested guaranteed. Not new appearance but decent appearance.	WB	20.00 8 @ 15.00
6V6GT USED	Mullard logo, UK, mixed appearance. Used, working. Tested, guaranteed. Not new appearance but decent appearance.	WB	16.00 4 @ 14.00
6V6GT USED	Tested guaranteed. USA made with logo. Sets of 2 or 4 pieces identical (same inside and out).	WB	10.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Decent appearance but not new appearance. 22 x GE, 5 x Hytron, 14 x Raytheon, 8 x Sylvania, 12 x RCA.		100 @ 8.00
6V6GT USED	Tested guaranteed. USA made, with logo. Sets of 2 or 4 pieces identical appearance. Decent quality, but small cracks in the base hence reduced price. Brands include, Kenrad, Raytheon, Tung Sol, others. All British USA made.	WB	7.00 8 @ 5.00
6V6GT USED	10 each of GE, Westinghouse, Raytheon and Sylvania. Plus 10 mixed brands liked Delco, Zenith, Philco etc. All USA made, tested/guaranteed. None of these make sets of 2 of the same appearance, hence the low price.	WB	7.00 50 @ 5.00
6V6GT / 6761	These are 6761 B9A pentode by Eriksson Sweden. Gold pin logo NOS tested guaranteed. 6761 are fairly similar to 6V6GT but have different base. Full data: http://electronbin.com/sheets61.html Short data: Vf 6.3, If 1A(1000mA), Va 140v, Ik 70mA, S 12mA/v, Pa 10W. 25 pieces in stock. 400 pieces available from our supplier.	OB	5.25 400 POA
6V6GTA	USA made, NOS tested guaranteed, RCA logo. Ex-military. 40 pieces the same appearance. Thin base.	OB	22.00 8 @ 20.00 40 @ 17.00
6V6GT	RCA logo USA NOS. Sets of 4 pieces of the same appearance. Clear glass. Ask re larger quantity.	Most OB	28.00 4 @ 27.00
6V6GT / 6P1	These are 6P1 Chinese, new guaranteed. They are near equivalent to 6V6GT except 6P1 has B9A base whereas 6V6GT has octal base. Data http://scottbecker.net/tube/sheets66.html Deduct 25p if you accept with egg crate / bulk pack instead of WB.	BP	2.20 20 @ 1.80 290 @ 1.00
6W4GT	40 Mullard, 30 Sylvania, 30 RCA & 20 Westinghouse. Audio rectifier, made in USA or West Europe. NOS with logo. In sets of 4 or 8 more pieces of identical brand / construction. Data http://electronbin.com/sheets6.html	OB/WB	2.50 8 @ 2.00 100 @ 1.70
6W6GT / 6DG6GT	Sylvania, Tung-Sol, RCA, Westinghouse. Audio tube, USA made NOS with logo. In sets of 4 or 8 more pieces of identical construction.	OB/WB	3.00 8 @ 2.20 100 @ 2.00
6X4	Brimar logo, UK NOS. Clear glass, black anode.	OB/WB	30.00 10 @ 27.00
6X4	Brimar logo, UK NOS. Black glass. 20 pieces.	WB	32.00 20 @ 30.00
6X4	Brimar yellow "T" label, UK NOS. Tested new - black anode. Ring getter, triple mica.	OB/WB	100.00 8 @ 90.00
6X4	GEC UK NOS. GEC sticker or logo. O getter. Some are CV4005 print. 2 or 3 different constructions.		63.00 12 @ 60.00
6X4	GEC sticker or Marconi logo. UK. NOS square / D getter.	GVT	66.00 10 @ 50.00
6X4	GEC sticker UK NOS. CV4005 ring getter, black anode.	GBox	62.00 10 @ 50.00
6X4	MWT Marconi logo. UK. NOS. Square / D getter. Black anode. More than 4 pieces may exist.	OB/WB	60.00
6X4	MWT Marconi logo. UK. NOS. Grey anode. O getter. More than 4 pieces may exist.	OB/WB	62.00
6X4	USA, Japan & other makes. No Chinese, no USSR, no UK. Circle getter. Includes 34 Raytheon Japan, 24 Sylvania USA, 14 RCA USA.	WB	4.50 15 @ 4.00 72 @ 3.50
6X4	USA specials. USA NOS with logo, tested guaranteed, D getter. 20 x RCA, 40 x Sylvania, 30 x Raytheon, 10 GE.	Most OB	15.00 15 @ 12.00 100 @ 10.00
6X4	USA NOS with logo, tested guaranteed, O getter. Raytheon, Sylvania, Westinghouse, Mazda . We will supply 5 pieces of the same brand, but the appearance is mixed, which is why they are cheap.	Most OB	5.00 20 @ 4.50
6X4 / 6X4W	These are 6X4W. USA specials. USA NOS with logo, tested	GB/WB	15.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	<u>guaranteed. D getter. 25 x Sylvania, 8 x Raytheon.</u>		25 @ 12.00
6X4 Grade One	GEC sticker, square getter. Tests new but fairly small stains, decent appearance.	G1	45.00 8 @ 40.00
6X4 Grade One	GEC Grade One. GEC sticker or MWT-Marconi logo UK. Some D getter. Some 3 mica, some U78.	G1	55.00 8 @ 45.00
6X4 Grade One	GEC / Marconi UK. Circle getter. Tests new but small stains, decent appearance. We also have NOS GEC & Mullard at a higher price.	G1	45.00 8 @ 35.00
6X4 Grade One	USA, Japan with logo, tested as Grade 1. Guaranteed, O getter. 10 pieces each of Sylvania, RCA, GE, Brimar foreign. We will supply 5 pieces of the same brand but the appearance is mixed, hence why they are cheap.	WB	4.00 15 @ 3.50 50 @ 3.50
6X4 Grade One	USA with logo, D getter. Tested as Grade 1. 16 Tung-Sol, 20 x RCA, 30 x Sylvania, 20 x Raytheon.	Most OB	15.00 15 @ 12.00 100 @ 10.00
6X4	Please refer to 6X5GT for a very similar item with octal base (6X4 has a B9A base).		
6X4 / 6Z4	Chinese made. New tested guaranteed. These are 6Z4 B7G base . They are similar to 6X4 USA but 6X4 USA has pin 5 not connected, pin 6 is anode 2, pin 7 is cathode. 6Z4 Chinese made has, pin 5 cathode, pin 6 unconnected, pin 7 anode 2. 6Z4 are a bargain price, good quality alternative to 6X4 with different pinout. More data listed under 6Z4 Shuguang at http://tubedata.itchurch.org/sheets610.html	WB	3.00 20 @ 1.66 800 @ 1.60
6X4 / EZ90	Brimar logo, UK. NOS.	Most OB	30.00 4 @ 25.00 20 @ 20.00
6X4 / EZ90	Mullard logo, UK. NOS.	Most OB	30.00
6X4 / GZ41	These are GZ41 NOS, Philips Miniwatt, or RTC made in Holland. Full wave rectifier. These GZ41 are similar to 6X4, but GZ41 heater is 5 V at 750mA. We have sockets in stock to fit GZ41 - B8A Rimlock. Data in English from our office. Hopefully soon also at WWW.TAVE.CO.UK , scroll down to the bottom of the homepage. More data in French http://electronbin.com/sheetsG.html	Most OB	7.00 4 @ 6.00 100 @ 5.00 300 @ 4.00
6X4 / EZ90 Grade One	10 pieces Brimar logo UK, 5 pieces Mullard, logo UK. Tested as Grade 1 (used but tested 80 percent emission, decent appearance, good print etc). Most are D getter.	G1	22.00 10 @ 18.00
6X5G	MOV / Mullard UK NOS. Guide price GBP150 wholesale.	WB	POA
6X5G	USA. NOS. Shouldered ST shape. Please enquire about brands. Tested/guaranteed. Higher price for d-getter, black anode etc.	OB/WB	50.00
6X5G Grade One	2 pieces MOV UK made. Tested as Grade 1 (used but tested 80 percent emission, decent appearance, good print etc).	G1	55.00 2 @ 52.00
6X5G USED	MOV UK used, tested. Guide price GBP75 wholesale.	WB	POA
6X5GT	Brimar logo, Russian. NOS, clean, uniform guaranteed. GT shape glass. Octal full wave rectifier [double diode]. Similar to EZ81 and 6X4 but different base. Data Vf 6.3V, If 600 mA, Va 325V, Ik 70 mA. Photo www.tave.co.uk Data www.tubedata.org	OB/WB	4.00 25 @ 3.00 300 @ 2.40
6X5GT	Brimar logo, UK NOS. GT shape. Enquire re bulk quantity.	OB/WB	12.00
6X5GT	USA NOS with logo tested guaranteed. GT shape glass. Octal full wave rectifier. Similar to EZ81 but octal base. Data: Vf=6.3V, If=600mA, Va=325V, Ik=70mA. Raytheon, Westinghouse, Sylvania, RCA. 4 of this brand. 6 of that brand etc.	Most OB	10.00 20 @ 8.00
6X5GT	Russian Scoba logo. NOS, clean, uniform guaranteed. GT shape. Octal full wave rectifier [double diode]. Similar to EZ81 and 6X4 but different base. Data: Vf 6.3V, If 600 mA, Va 325V, Ik 70 mA.	GVT	3.60 30 @ 1.56 100 @ 1.40 500 @ 1.10
6X5GT/ EZ35	Mullard logo, NOS. Made in Blackburn UK. These EZ35 / 6X5GT are a fantastic rectifier. These are very rare. Made with an early D getter.	OB/WB	50.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
6X5GT/ 6X5WGT	Tung-Sol USA made NOS with logo. Tested, guaranteed.	OB/WB	22.00
6X5GT / EZ35	Mullard logo. Used, not new appearance, but tested with good print and decent appearance. Made in Blackburn UK. These EZ35 / 6X5GT are a fantastic rectifier. Some are D getter.	WB	50.00
6X5GT / EZ35 USED	Mullard logo. Used, not new appearance, but tested with good print and decent appearance. Made in Blackburn UK. These EZ35 / 6X5GT are a fantastic rectifier. Most are D getter.	WB	25.00
6X5GT / EZ35 USED	Brimar logo. Used, not new appearance, but tested with good print and decent appearance. Made in UK.	WB	6.00 6 @ 5.00
6Y6G	USA NOS. GE, Sylvania, Kenrad. This octal audio pentode has similarities to 8417.	OB/WB	5.00 5 @ 4.50 60 @ 4.00
6Y6G Grade One	Various brands USA manufacture. Grade One.	G1	3.50
6Y6GA	USA NOS.	Most GB	3.50 30 @ 3.00
6Y6GT GE	GE. USA. NOS. This octal audio pentode has similarities to 8417.	Most OB	6.00 4 @ 4.00 60 @ 3.00
6Z19	These are Chinese 6Z19. They are believed equivalent to EY81. B9A base. This TV rectifier can rectify lower voltages in power-supplies for audio equipment. Data sheet on request.	WB	2.00 10 @ 1.50 200 @ 1.00
6Zh2B-V / 6X2B-B	Mint condition. A wire ended, sub miniature pentode, Russian. Photo/free sample on request. On our computer as 6*26B.	GVT/WB	4.00 50 @ 2.00
7B7	USA / UK brands NOS.	OB/WB	10.00 5 @ 8.00
7C5	USA brands NOS. Near equivalent to 6V6GT but different base. 7C5 is loctal base.	OB/WB	7.00 20 @ 6.00 50 @ 5.00
7D10	Please refer to 6CH6.		
7F8	Audio double triode, SOME similarities to 6SN7GT, but 7F8 has loctal base. USA (NOS). Data: http://electronbin.com/sheets72.html & https://www.tubecollector.org/cv2968.htm	OB/WB	7.00
7H4B	Current regulator resistor ballast tube. Automatic current regulator. It's a reliable current regulating device, which can maintain a constant current in a circuit over a very wide range of input voltages. The resistance of the element automatically increases or decreases depending on the change of temperature in the unit. This maintains a very accurate current level. USA NOS including amperite.		
7H4B	Westinghouse, RCA, GE, Sylvania – USA. NOS with logo. Data: Vf=250V, If=9.5mA, Screen=250V, Anode Impedance=0.8m, gm=4.2mA/V, grid=-30V. Sockets to fit from stock.	OB/BP	3.00 8 @ 1.66 400 @ 1.30
7J7	Sylvania USA. Audio type.	OB/WB	4.00
7N7	USA NOS. Equivalent to 6SN7GT but 7N7 has loctal B8G base.	OB/WB	10.00
7S7	Sylvania, USA with logo. NOS. Clean and guaranteed. An audio type with sockets to fit in stock. Data: r-type.org website.	GVT	4.00 10 @ 3.00 30 @ 2.80
7V7	Sylvania, USA with logo. NOS, pentode, loctal base, loctal sockets in stock. Equivalent to 7T7 and 7AG7. Data: r-type.org website.	OB/WB	2.00 10 @ 1.30 600 @ 1.00
7Y4 / EZ81	These are 7Y4 Audio rectifier. Sylvania logo. USA NOS guaranteed. 7Y4 is similar to 6X4 and EZ81 but different base. Socket to fit this tube, 89LW, in stock. Data http://electronbin.com/sheets72.html	OB/WB	2.40 30 @ 2.00 100 @ 1.80
7Z4	Sylvania USA with logo, full wave rectifier NOS. Data on the r-type.org website.	GVT	2.40 25 @ 2.00
8FQ7	GE, USA and Hitachi Japan. NOS. The only difference between 6CG7/	OB	3.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	6FQ7 and 8FQ7 is that 8FQ7 has 8 volt heater, 6CG7 is 6 volt. Data/photo http://scottbecker.net/tube/sheets81.html		100 @ 2.00
9AU7	RCA USA NOS partly similar to ECC82. Limited quantity.	Most OB	2.50
9M602	Toshiba. New guaranteed. Magnetron. Equivalent to 9M61.	OB	150.00
10 Grade One	USA made audio triode. Raytheon logo engraved in the base. 2 the same appearance. Used, but clean and test as Grade 1. Guaranteed.	G1	46.00 2 @ 45.00
10F1	Mazda. West European. Data & curves http://tubedata.itchurch.org/sheets1.html	Most OB	3.50 80 @ 2.50
10P14	Mazda & other West European.	OB	10.00 10 @ 8.00
10 / 10Y	USA made NOS. Audio triode with some similarities to 2A3. Availability varies.	OB/WB	75.00
10 / 10Y	USA made NOS. VT25 Western Electric, ceramic base. Availability varies.	OB/WB	225.00
10 / 210	These are 210 NOS, made in West Europe or USA. Branded Europa. UX4 base audio triode. Globe shape. Black single plate. 1930's made. NOS tested guaranteed. Equivalent to UX-210 and 10Y.	OB	280.00
10 / 210	Balloon shape. These are type 10 NOS, made in USA. 1 Cunningham, 1 Radiotron. Clean Grade One, might be NOS. Sold at Grade One price. Estimated 1930's made. Tested guaranteed. Equivalent to UX-210 and 10Y.	G1	150.00 2 @ 145.00
11E2	ITT/STC UK. A potential audio type.	GVT/WB	20.00
11E3	CV73W Brimar Thorn UK. NOS. Audio tetrode. Similarities to PEN46, KT44, KT66 etc. Data on the r-type.org website. 11E3 is close to KT66 but 11E3 has different anode cap, ceramic supports and heater voltage to suit high voltage pulse operation. Sockets to fit, from stock, ref 7PT4.	GVT	12.00 12 @ 11.00
11E3	Please refer to KT88 / 11E3.		
11E4	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	POA
12A	USA brands, NOS.	GVT	30.00
12A6	Audio pentode partly similar to 6V6. NOS with logo, black metal. RCA, Adzam/Mazda etc, made in USA or West Europe. Matched pairs possible. Data http://electronbin.com/sheets1.html	Most GVT	3.00 10 @ 2.50 100 @ 2.00
12AB5	USA NOS. Guaranteed. GE, Westinghouse, Sylvania & RCA. Suitable for audio applications.	OB/WB	3.30 10 @ 3.00 50 @ 2.80
12AD7	RCA and other USA. NOS. similar to 12AX, not equivalent.	Most OB	40.00
12AH7GT	Tung-Sol and other USA NOS. Octal twin triode. Similar to ECC82 but octal base & different pin out. 10 years ago we built a pre-amplifier using this valve which gave a beautiful sound! Data http://www.r-type.org/exhib/abo0132.htm	Most GB	3.00 100 @ 2.50
12AT7	Please refer to ECC81.		
12AT7	Please refer to ECC91, which is a possible alternative, not equivalent. 12AT7 is B9A base, ECC91 is B7G base. Free data available.		
12AT7 / CV5212	Gold pin.		
12AU6	RCA logo, USA NOS. Audio pentode suitable for many audio applications including microphones, pentode audio preamp, SE amp in triode mode etc.	OB	3.00 10 @ 2.40 200 @ 2.00
12AU7	Refer to 12AH7GT Tung-Sol USA NOS. Octal twin triode. Similar to ECC82 but octal base & different pin out. Data http://www.r-type.org/exhib/abo0132.htm		
12AU7	Refer to CV4034 Brimar/Mullard, flying lead version. Bargain prices!		
12AU7	Please refer to ECC82.		
12AU7WA	Philips logo, Holland, NOS. High quality. Made 1971.	OB	20.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
12AV7	RCA & other USA. NOS. Please refer to 5965.	OB/WB	POA
12AV7	Please refer to 5965 .		
12AX3	RCA, GE, Raytheon and Sylvania. USA. NOS.	OB/WB	3.00 16 @ 2.50
12AX7	Please refer to ECC83 .		
12AX7 / 5744WB	Raytheon, USA, 5744WB. NOS. Mint condition. A wire ended, sub miniature single triode, similar to half of a 5751/12AX7. Photo www.tave.co.uk Data http://electronbin.com/sheets5.html Lower offers considered for orders over 100 pieces.	GVT	4.00 10 @ 2.30 100 @ 2.15 500 @ 2.00
12AY7	Tesla Slovakia. JJ logo. New, tested/guaranteed.	OB	16.50 10 @ 11.50 50 @ 10.00
12AY7 / 6072A	Japan NOS. If available.	OB/WB	18.00
12AY7 / 6072A	Russian NOS tested guaranteed. 10 pieces in stock.	OB/WB	10.00
12AY7 / 6072/A	USA, NOS, circle getter. Sets of 2 pieces the same brand & same appearance.	OB/WB	55.00
12AY7 / 6072/A	USA, NOS, circle getter. Singles, not sets of 2 pieces same appearance.	OB/WB	40.00
12AY7 / 6072A	USA, NOS brands including GE and RCA, square or D getter or 5. Star logo. Most have black anode.	OB/WB	65.00
12AY7 / 6072/A	USA. NOS. Triple mica. 2 pieces look the same. GBP 150 wholesale if available.	OB/WB	105.00
12AY7 / 6072/A	USA. NOS. Triple mica. Singles, not sets of 2 the same appearance.	OB/WB	102.00
12AY7 / 6072/A USED	USA with circle getter. Used, tested.	BP	25.00
12AY7 / 6072 USED	Raytheon 6072 red Raytheon logo .Black plate. Made in USA. Triple mica. Used but test strong, over 65 percent emission.	BP	70.00 8 @ 55.00
12AY7 / 6072 USED	Raytheon 6072, red Raytheon logo. Black plate. Made in USA. Triple mica. Used and test 50-60 percent emission. This is below normal "approved standard", but still useful for many applications. Due to low emission, a bargain price. Perfect NOS would sell around GBP150.	BP	50.00 10 @ 40.00
12AY7	Please refer to 6072/A .		
12AZ7A	USA and Japan NOS, with logo. 4 or 5 different brands, including RCA, Sylvania & Westinghouse. 10 or 20 of each brand. Rare item. Sorry, no discount possible.	Most OB	8.50 4 @ 7.00 50 @ 6.75
12B4A	Audio driver tube. 20 Mazda, 20 Raytheon. Japanese made. NOS, tested guaranteed with logo.	Most OB	4.20 12 @ 3.50 40 @ 3.20
12B4A	Audio driver tube. 24 Westinghouse, 40 Raytheon, 12 RCA & 12 Sylvania. All USA, NOS, tested guaranteed with logo.	Mostly OB	6.00
12B4A USED	Raytheon logo, USA, tested, guarantee with logos.	WB	4.50 20 @ 3.00
12BA6	20 or 30 of each brand. NOS. USA, Japan or East Europe.	OB/WB	7.00 16 @ 6.00 100 @ 5.50
12BD6	RCA USA and Elevam Electronics, Japan.	OB/WB	2.50 30 @ 2.30
12BE6	NOS. USA, and a few Fivre Italy.	OB/WB	6.00 4 @ 5.00 40 @ 4.50
12BH7	Brimar logo UK. NOS with black anode. Guide price GBP 70.00	OB	POA
12BH7	Sylvania, GE, RCA, Tung-Sol. D getter. NOS.	Mostly OB	30.00 8 @ 27.00
12BH7 USED	Brimar logo UK. Test as used and guaranteed. Guide price GBP 30.00	WB	POA
12BH7 USED	Brimar logo UK. Test as used and guaranteed.	WB	23.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Enquire about bulk quantities.		
12BH7 USED	GE, RCA. D getter. Used. Tested.	WB	12.00 16 @ 10.00
12BH7 / A	GE, RCA, Raytheon, Sylvania & Westinghouse. USA. NOS. Tested and guaranteed. Please enquire for actual quantities.	Most OB	22.00 30 @ 21.00
12BH7 / A	10 x made in Taiwan. New guaranteed. 16 x Chinese. New guaranteed.	WB	8.00 26 @ 6.00
12BH7 / A	16 x El Yugoslavia. El print, but not the El logo. New guaranteed.	WB	10.00 16 @ 9.00
12BH7 / A	Sylvania, RCA & Tung-Sol. D getter. NOS. Sets of 2 pieces same appearance.	OB/WB	30.00 24 @ 27.00
12BH7 / A	Westinghouse and other Japanese made NOS. Tested and guaranteed. In sets of 5 pieces identical (identical appearance inside and out).	Most OB	20.00
12BH7 / A Grade One	GE, RCA, Sylvania and Raytheon, USA made with logo. Tested as Grade One.	G1	15.00
12BH7 / A USED	GE, RCA, Sylvania and Raytheon, USA / Canada with logo. Used and not new appearance but tested and guaranteed	BB	8.00 10 @ 7.00 50 @ POA
12BH7 / A USED	GE, RCA, Sylvania and Raytheon, USA with logo. D getter. Grey anode. Used and not new appearance but tested and guaranteed.	BB	12.00 8 @ 10.00 16 @ POA
12BH7 / A USED	Japan, Mazda, Westinghouse and Raytheon. Used but decent appearance, tested and guaranteed.	BB	10.00 8 @ 8.00 16 @ POA
12BY7A	Japan NOS. 12 Mazda, 12 Westinghouse & 12 Raytheon. Tested and guaranteed with logo.	Most OB	10.00 12 @ 8.00 36 @ 7.00
12BY7A	NOS. O getter. Approx 30 pieces each brand: RCA USA, GE USA & Westinghouse USA. Tested, guaranteed, with logo.	Most OB	10.00 4 @ 8.00 100 @ 7.00
12BY7A	NOS. D getter. 12 pieces each brand: GE, USA, Sylvania USA. Tested, guaranteed.	OB/WB	15.00 24 @ 10.00
12BY7A Grade One	40 pieces each brand: RCA USA, GE USA, Sylvania USA, Westinghouse Japan. Test as Grade One, with logo. Decent appearance but small stains in glass. Has similarities to EL84. Many of them test nearly new, or look nearly new. Data EL84: Vf=6.3V, If=760mA, Va=300V, Ik=65mA, S=11mA/V, Pa=12W. 12BY7A: Vf=12.6V, If=300mA, Va=250V, Ik=25mA, S=12mA/V, Pa=6W. 12BY7A Data http://tubedata.itchurch.org/sheets12.html	G1	7.00 10 @ 5.50 100 @ 4.60
12BY7A USED	USA made, 50 each brand: RCA, Sylvania, Raytheon & Westinghouse. Used tested clean with logo. Data http://tubedata.itchurch.org/sheets11.html	OB/WB	4.50 10 @ 3.80 200 @ 3.50
12BZ7	NOS 12BZ7 is near equivalent to 12AX7 audio tube. RCA and Raytheon, both with logo.	OB	12.00
12DW7	Please refer to 7247 equivalent.		POA
12E1	GEC sticker, UK. NOS, tested. Possibly GBP50 if available.	OB	POA
12E1	STC / ITT UK. NOS Tested. Logo. 12E1 has some similarities to KT88 but 12E1 has a top cap and other differences. 10 years ago our agent built a 12E1 amplifier, it produced great classic audio sound. Circuit diagram of the amplifier available on request.	OB	22.00 30 @ 19.00 100 @ 18.00
12E1	Mazda logo or Ediswan logo. Many are D getter. UK NOS. KB/E or KB/EN military stamp. NOS. Tested, guaranteed. 12E1 has some similarities to KT88 but 12E1 has a top cap. Available free data &	Most GB	30.00

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
	sheet showing how to rewire base 12E1- KT88. 10 years ago our agent built a 12E1 amplifier, it produced great classic audio sound.		
12E1 Grade One	GEC sticker, UK. Tests as Grade One. Decent appearance, not new appearance.	G1	22.50
12E1 Grade One	STC/ITT logo, UK. Tests as Grade One. Info re audio application, in the STC (NOS) section, above.	OB	17.50 10 @ 14.00
12E1 USED	Mazda / Ediswan logo, UK made. Used not new appearance but test approximately 70 percent emission with guarantee.	WB	12.50 6 @ 10.00
12E14	Please refer to S11E12 exact equivalent. Very near equivalent to CV4060.		
12GN7 / 12HG7	USA. NOS with logo. B9A audio type audio pentode.	Most OB	6.00 20 @ 4.25
12HG7	Please refer to 12GN7 .		
12J5GT	RCA, Sylvania USA NOS. Some are VT135 high quality military grade. Print styles are mixed, hence the very low price! NOS guaranteed.	OB/WB	4.80 6 @ 4.20 50 @ 3.30
12SA7	USA, NOS. Black metal. We have 12SA7GT at higher price.	OB/WB	5.00
12SC7	Large quantity of Marconi & Kenrad. Small quantity of other Canada/USA. Potential audio type. NOS clean and guaranteed. Data: Vf=12.6V, If=150ma, Va=250V, Ik=2ma, S=1.2ma/V www.nj7p.org/Common/Tube/SQL/Tube_query.php?Type=12SC7	OB/GVT	2.30 300 @ 2.00
12SG7	Audio preamp tube. GE JAN logo USA NOS. Black metal. 600 pieces all identical. Super low price audio pentode. Data on request.	GVT	3.00 10 @ 2.40 600 @ 2.00
12SJ7	USA, NOS, Black Metal. Most RCA.	OB/GVT	5.00 20 @ 2.50
12SJ7GT	West European / North American brands if available. USA NOS.	OB/WB	7.50 10 @ 4.00 100 @ POA
12SK7	USA, NOS. Black Metal. RCA red logo.	RCA red OB	3.75 5 @ 3.00 500 @ 2.50
12SL7GT	USA NOS. 6 RCA & 4 GE, 10 mixed brands.	OB/WB	6.00 20 @ 5.00
12SL7GT	Fivre Brimar Mullard NOS. Made in UK or Italy.	WB	34.00 10 @ 30.00
12SN7GT	Mullard UK NOS & Fivre, Italy. NOS. Small quantity maybe available.	WB	50.00
12SL7GT	Please see 5755 for B9A based near equivalent.		
12SN7GT	Tung-Sol x 8, plus approximately 8 pieces of each of the following: Sylvania, GE, Hytron & Westinghouse, USA. NOS with logo. Octal. Photo www.tave.co.uk	Mostly OB	8.00 50 @ 7.00
12SN7GT Grade One	Mix of Sylvania, Raytheon, Kenrad, etc. USA NOS with logo. Sets of 2 identical. Tested Grade One.	G1	6.00 20 @ 5.00
12SN7GT / A USED	Sylvania, Hytron, and Raytheon, USA with logos. Used and tests 65 or 75 percent emission. Similar to 6SN7GT but 12V heater. For data refer to the NOS paragraph.	WB	5.00 60 @ 4.00
12SQ7	RCA, Westinghouse and GE, USA. NOS. Black metal.		10.00
12SQ7GT	Few pieces usually in stock.		10.00
12SX7GT	12 GE, 12 Westinghouse. USA NOS with logo. Audio type. Data http://tubedata.itchurch.org/sheets11.html	Most OB	15.00 24 @ 12.50
12SX7GT	RCA USA NOS with logo. Audio type. Data http://tubedata.itchurch.org/sheets11.html	Most OB	25.00 12 @ 20.00
12W4GT	Japanese manufacture.	BP	3.50 20 @ 2.50 100 @ 2.00
12X4	RCA logo USA, NOS.	OB	6.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
			3 @ 5.00
			50 @ 4.50
12Y4	Marconi. NOS. 1940s vintage. Canadian made. A dual diode/signal tube similar to 6AL5 except that it has 12 volt heater and B5 base. Data www.radiomuseum.org/tubes/tube_12y4.html Sockets for these are in stock. Attractive and colourful.	OB	3.50 10 @ 2.20 300 @ 1.80
13CW4	Sylvania USA nuvistor tube. Looks new but tests as used, guaranteed. Suits Neumann U-47 microphone. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheets13.html	GB	8.00 10 @ 7.00
13D1 USED	STC/ Brimar UK. Partly similar to 6SN7GT. USED, tested, guarantee. Guide price GBP12 wholesale.	WB	POA
13D9 / ECC801S	These are 13D9 Brimar logo UK made, NOS, black anode. Similar to ECC81 / ECC801S. Many consider the higher anode current to be an advantage. Same pin out as ECC81.	Most OB	12.50
13E1	Mazda / Ediswan logo, UK NOS.	GVT	120.00
13E1	STC / ITT logo, UK NOS. Socket from stock. Supply the 13E1 heater from a 12.6V tapping on the heater transformer. Large beautiful dome shape. A watt anode dissipation pentode, which wired as a triode can provide 50 watts push pull class A, operation at 500 volts. Best known as a PP triode audio amplifier by Morgan Jones. Data http://electronbin.com/sheets12.html	OB/GVT	110.00 4 @ POA
13E1 Grade One	Mazda UK, tested around 80 percent emission. 2 pieces look the same and test the same. Very rare item.	G1	75.00 2 @ 70.00
13E1 USED	2 STC, 4 Mazda & 1 EEV. UK made. Used, tested, guaranteed with logo. They look decent, but they do not look new.	WB	48.00 6 @ 45.00
14GW8	Exact equivalent to PCL86 .		
19AQ5	Brimar logo UK. NOS. Similar 6AQ5/ EL90 but different heater. Data http://tubedata.itchurch.org/sheets16.html	OB	3.00 100 @ 2.00
19H1	Ediswan UK rectifier. Equivalent to CV121 and possible alternative, not equivalent to U19. Potential audio type.	GVT	4.80 100 @ POA
19H1	Equivalent to CV121 and similar to U19 .		
19H1	Mazda.	OB/WB	4.80
19H4	Please refer to U19/ 19H4 near the back of this catalogue for prices and availability.	OB	
19H5	STC logo, UK made NOS blue logo printed. CV490. These 19H5 have some similarities to U19. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheets16.html	OB	15.00 2 @ 13.00 100 @ 11.00
20P4	Mazda. West European. With logo. Audio pentode. Data & curves http://tubedata.itchurch.org/sheets2.html Photo on request or will soon be at www.tave.co.uk	OB/WB	4.00 50 @ 3.00
20P5	Ediswan/ Elpico/ Mazda West European manufacture. Potential audio use, circuit available.	OB/WB	3.00
24 / 224	Shoulder shape. USA brands. NOS. RCA etc.	OB/WB	6.00 16 @ 5.00
24 / 224	Balloon shape. USA brands. NOS. 1 or 2 pieces.	OB/WB	15.00
24B9 / CV6173	STC, UK NOS. Fascinating appearance display piece! Or Trigatron spark gap. Designed for radar where a spark gap fires the magnetron. Photo will soon be at www.tube-and-valve-electronics.co.uk/wholesale/product.asp?ID=633 Data www.tubecollector.org/24B9.htm	OB	10.00 20 @ 8.00
25A6G	West European/North American brands, including Brimar.	OB/WB	3.00
25L6G / KT32	These are KT32 MWT/GEC UK NOS. Audio type. Shoulder shape. Equivalent to 25L6G.	OB	9.00 10 @ 8.00 180 @ 7.00
25L6GT	NOS. Audio type. 80 pieces in total. USA made RCA, Sylvania, Hytron,	OB/WB	3.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Tung-Sol. UK made. Brimar. About 10 pieces of each brand.		80 @ 2.75
25T	HK24 USA NOS.	Most OB	42.00
25W4GT	400 Sylvania. Audio rectifier, made in USA. NOS Data http://electronbin.com/sheets21.html	OB/WB	3.00 8 @ 2.00 400 @ 1.70
25Z6GT	100 RCA, 1900 National Union USA, all with logo. All are NOS clean, uniform appearance and guaranteed. Octal base, half-wave rectifier/double diode. Data: Vf=25V, If=300mA, Va=235V, Ik=150mA. This is a fantastic low cost alternative, not equivalent to rectifiers like 5V4G, GZ32 and GZ37 which wholesale around GBP25.00 each. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheets22.html	GVT	2.00 10 @ 1.00 2000 @ 0.75
26Z5W	Tung-Sol USA made. NOS.	OB/WB	15.00
27	Balloon shape. Equivalent to 227. USA brands. NOS. Ux5 base, 2.5v heater audio triode, similar to 2A3 but lower power. Sometimes available.	Most GVT	40.00
27	Shoulder shape. USA NOS. RCA, Sylvania and other new USA made. In sets of 2 of same brand same appearance.	OB/WB	10.00 10 @ 9.00 100 @ 7.00
27 Grade One	Balloon shape. Test as Grade 1. GBP30 wholesale. If available...	G1	POA
27 Grade One	Shoulder shape. Test as Grade 1. GBP6 wholesale. If available...	G1	POA
28D7	Sylvania logo USA. NOS. Clean, tested and guaranteed. A potential audio pentode. Suit battery operated amplifier or headphone amp. Loctal base. Sockets to fit in stock. Data Vf=28V, If=400mA, Va=28V, Ik=12mA, Pa=1W. More data http://tubedata.itchurch.org/sheets22.html Photo www.tave.co.uk	Most OB	4.00 10 @ 2.20 50 @ 1.80 150 @ 1.50
29C1 / CV430	ITT / STC NOS. A voltage regulation diode vintage. British made. Near offers considered. Photo www.tave.co.uk Data http://electronbin.com/sheets23.html Data: Vf=4.0V, If=800mA, Va=100V, Ik=3mA	GVT	11.00 500 @ 8.00
30	Audio triode, UX4 base. USA NOS. RCA etc.	OB/WB	18.00
30C15	Mazda logo, UK NOS. Data www.r-type.org/exhib/aai0122.htm	OB/WB	1.00 300 @ POA
31E-50576L	12 inch circular screen CRT suits vintage TV hobby. Cathode ray tube by Brimar Rank UK NOS. 8 inch neck. Photo at www.tave.co.uk Data to follow.	OB	40.00 8 @ 32.00
33	Sylvania logo, USA NOS. UX5 audio pentode. Data www.mif.pg.gda.pl/homepages/frank/sheets/029/3/33.pdf	OB/WB	5.00 30 @ 4.50
33A-101K	Brimar logo, UK NOS with black anode.	OB	25.00
33A-158M USED	STC logo UK. Used, tested. Guaranteed. Audio type. Loctal sockets to fit are in stock. Data http://tubedata.itchurch.org/sheets3.html	WB	10.00 8 @ 8.00
35A3	Sicte Italy/other brands.	OB/WB	5.00 10 @ 3.00 100 @ 2.00
35L6GT	NOS RCA, Sylvania and Westinghouse with logo. Supplied in sets of 4 pieces identical.	OB/WB	5.00 50 @ 4.00
35T	Eimac GE and other USA. NOS, audio triode. Sockets in stock. Data: Vf=5.0V, If=4000mA, Va=1500V, Ik=150mA, Pa=35W.	GVT/WB	50.00
35X4	USA. NOS. These 35X4 are partly like 6X4 but have a 35v heater. GBP4.00 wholesale price if available.	OB	3.00
35Z3	Sylvania USA. Glass, GT shape. Nice NOS 1950s vintage USA made. A rectifier often seen in AC/DC radio high voltage supplies.	OB/WB	2.20 100 @ 1.50
37	Balloon shape. USA made. NOS.	Most GVT	20.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
37	USA NOS. Shoulder shape. USA made. Audio triode, many say it sounds better than its "brother", RCA type 76. Data www.r-type.org/exhib/abh0246.htm	OB/WB	13.00
37 USED	Balloon shape. USA made test as used. Guaranteed. Data http://tubedata.itchurch.org/sheets22.html	WB	10.00
37 USED	Shoulder shape. USA brands. Used. Tested.	WB	3.00
6L6G / 38	These are type 38, audio pentode. USA NOS. Type 38, is UX5 base with similarities to 6L6G, not equivalent. Data http://tubedata.itchurch.org/sheets31.html	OB / WB	POA
39-44	USA NOS. RCA or Western Electric VT49.	OB/WB	3.00 50 @ 2.30
40KG6	Equivalent to PL509 and PL519 .		
41	West European/North American brands. Shouldered shape.	OB/WB	8.00
41MP	2 pieces Cossor UK NOS, 2 of the same appearance. Also "singles" of UK made 3B-100B / PA1 equivalent. (Also 4033X is similar, not equivalent).	OB/WB	180.00 2 @ 175.00 5 @ 170.00
41MXP	UK brands including MOV and Cossor, or near equivalent like PA1 CV1122 ACP1, 41MXP, LL4, O54V PA1.	OB/WB	180.00
42 USED	USA, used, tested, balloon shape. 1 only.	WB	20.00
42 / EL33	These are type 42 tubes with UX6 base. You can buy adaptors on eBay to convert type 42 into type EL33/KT61. Type 42 French made, Mazda logo. 50 pieces all same appearance. Logo, NOS. Tested, guaranteed.	OB/WB	15.00 10 @ 11.00 50 @ 10.00
42 / EL33 Grade One	These are type 42 tubes with UX6 base. You can buy adaptors on eBay, to convert type 42 into type EL33/KT61. West European/ USA made Brimar, Sylvania etc. With logo, NOS. Tests as Grade One.	G1	10.00 12 @ 7.00
43	RCA, Sylvania, Westinghouse, and other USA NOS. Tested with logo.	OB/WB	6.00 10 @ 5.00
43IU	Cossor logo, UK. Antique fat shape. NOS. Tested and guaranteed. Audio rectifier. Data http://www.r-type.org/exhib/aai0288.htm	OB	60.00
43IU Grade One	Cossor. Test as Grade One. Details similar to 43IU NOS, above.	G1	45.00
43IU Grade One	Cossor. UK made. Grade One. UK made. Please enquire for price.	OB/WB	Stock
43IU USED	Cossor. Used, tested, guaranteed. Similar to 43IU NOS, above.	WB	30.00
45	USA. NOS. Tested. An audio triode with some similarities to 300B.	OB/WB	95.00
45	USA, balloon shape. If available USA GBP200 wholesale new, GBP100 used.	GB	PO
45 USED	USA made tests 65-75 percent emission and guaranteed. Decent appearance. From a distance they seem to be the same appearance, but if you look closely they're sets of 2 of similar appearance. Top mica varies etc.	WB	47.00 8 @ 42.00
46	Mix brand, if available.	WB	20.00
47	Shoulder shape, USA, NOS. Tested.	OB	16.00
47	Balloon shape, 1 or 2 pieces. USA. Tested.	WB	28.00
47 USED	Balloon shape, 1 or 2 pieces. USA. Used, tested.	WB	14.00
47 USED	Shoulder shape, USA. Used, tested.	WB	8.00 5 @ 7.00
50 USED	Sylvania logo USA. Large shoulder shape. Audio triode. Tests as used, decent appearance. 1 only.	WB	90.00
50C5	B7G Audio pentode. GE, Westinghouse, Brimar plus mixed. USA NOS. Data/photo http://electronbin.com/sheets5.html	Most OB	6.00 40 @ 5.00
50CA10	When available. 50CA10.	WB	POA
50CA10	NOS Chinese. Tested, guaranteed. Shuguang produced 1 small batch of this rare tube in the 1990s. The Japanese version made in the 1960's was ultra rare even in the 1980's. Suits Luxman models MQ-60,	WB	50.00 4 @ 45.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	MQ-68 and SQ38FD. Also single ended 50CA10 stereo amps. 50CA10 is a triode with 50V heater and Pa 30W. Price shown is for one tube. Match pairs maybe possible.		
50CA10	NOS. This Japanese version made in the 1960's was extinct by the 1980's. Luxman logo.	OB/WB	100.00 3 @ 90.00
50CD6G	Brimar UK audio tube, partly similar to EL34 + 807, BUT 50CD6G is bargain price due to 50v heater. 50CD6G is an octal base pentode / beam tetrode. Brimar logo UK NOS. PDF data: http://www.r-type.org/exhib/aad0184.htm	OB/WB	6.00 50 @ 4.80
50EH5	RCA, USA NOS with acid etch and RCA logo. Audio type with data available.	OB	4.00 20 @ 3.00
50L6GT	NOS RCA, Sylvania and Westinghouse with logo. Supplied in sets of 4 pieces identical.	OB/WB	5.00 50 @ 4.00
50R5GT	Mix. NOS. Guarantee. (Offers invited).	OB/WB	3.00 50 @ 2.00
52KU	UK (NOS), when available. Expensive.	OB	POA
53KU / CV378	Cossor, UK NOS. Antique fat shape. Very rare, 1 or 2 in stock.	GB	240.00
53KU / CV378 USED	Cossor yellow logo. UK NOS. Thin shouldered shape , similar to Mullard GZ37. Test as used. Looks decent, does not look new. Guaranteed. Many test near NOS, but the spigot was broken, and repaired with a black plastic piece. The repair is invisible when the valve is in equipment. A good quality item, sold at used price due to the spigot repair.	WB	40.00 5 @ 38.00
53KU Grade 1	Cossor, UK NOS. Antique fat shape. Rare! Test like new. Very clean. Hard to decide if it's new or grade 1. Sold at grade one price. 1 only.	G1	180.00
54KU	UK with Cossor logo. Antique FAT shape. Rare and expensive.	GVT	60.00 2 @ 55.00
56	USA (NOS). Various brands. Tested guaranteed, with logo. Audio triode with some similarities to valve type 76. Larger quantities may exist. Photos & pdf data http://www.r-type.org/exhib/aag0016.htm	OB/WB	5.00 10 @ 4.50
71A	USA NOS. Shoulder shape. 6 pieces, various brands.	OB/WB	32.00 6 @ 28.00
71A / 171A	USA NOS. Rare balloon shape. Sets of 2 pieces that look the same.	WB	60.00 2 @ 55.00
75	When available GBP20 wholesale NOS.	OB/WB	POA
75B1	CV284 Mullard, EEV, etc. Most have logos. UK NOS. Gas filled stabiliser valve. Some similarities to 85A2. Data http://frank.pocnet.net	OB/WB	3.00 400 @ 2.40
75C1	CV4080 Mullard. Most have logos. UK NOS. Gas filled stabiliser valve. Some similarities to 85A2. Data for these 75C1 at http://frank.pocnet.net	GVT	4.00 100 @ 3.20
76	USA NOS tested. Mixed brands. Suits pre-amps like audio lab FF, Korneff.	OB/WB	12.00
76 Grade One	USA test as Grade 1. Tested. Looks used but decent.	G1	12.00 4 @ 11.00
77	Audio Type. National Union USA NOS. Rare military sticker on the glass. Antique audio type. All look the same.	WB	6.00 10 @ 5.00 40 @ 4.20
80	GT straight sided shape. Mixed West Europe / USA brands. Tung-Sol / RCA / GE, Brimar etc.	OB/WB	11.00 20 @ 10.00
80	Shouldered [ST] shape USA brands including RCA, Sylvania, Brimar and Raytheon. NOS. Logo, tested.	OB/WB	15.00 12 @ 14.00
80	280 balloon shape, USA. NOS tested. Guarantee. 1 or 2 pieces. Wholesale price is approx GBP70 if available.	WB	POA
80 / 280 USED	USA eg RCA, Sylvania, Raytheon. Shouldered shape.	WB	8.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Used tested guarantee.		20 @ 6.00
80 / 280 USED	Low 80 balloon shape, USA used. Tests working, but on the borderline between pass/fail, hence low price.	WB	25.00
81	USA including RCA. Most have logo. Audio triode.	OB/WB	10.00
81 / 281	NOS. 281 balloon shape, USA. NOS. Tested, guaranteed. 1 only.	OB/WB	40.00
81 / 281 Grade One	281 balloon shape, USA. Tested as Grade One. Not new but clean. Guaranteed. 1 only.	G1	25.00
83	USA NOS audio rectifier. Partly similar to 5U4G. Tested guaranteed. GBP 25.00 wholesales if available.	OB/WB	POA
83 USED	USA. Used, tested, guaranteed. Not new appearance.	WB	13.00
83V	GE USA NOS. Audio rectifier.		16.00
83V USED	Various USA brands. Used, tested, guaranteed.	WB	6.00
84	Westinghouse logo USA NOS. Equivalent to 6Z4. These are 84/6Z4 5 pin UX5 base. Data http://electronbin.com/sheets8.html No relation to 6Z4 B7G base.	OB	5.00
85A1	Mullard & other West European NOS. 30 pieces.	Most OB	5.00
85A2	Mullard UK NOS. Tested, guaranteed. Equivalent to CV449, CV4048. A high voltage stabiliser. 115v striking voltage, 85v maintaining voltage. For a tube current variation of 1mA to 10mA the voltage regulation is 4 volts. Useful to stabilise the voltage of an oscillator, or as a voltage reference for a stabilised supply. Data: Va=85V, Ik=5Ma.	WB	4.50 100 @ 3.50
85A2 / QS1202	EEV, UK CV4052. Potential audio item with similarities to 85A2. CV4052/QS1202 is a wire-ended gas regulator tube that regulates from 5 to 15mA at 108 volts DC. Data 108V DC, 210V striking total darkness, 133V striking in normal lighting. 15mA maximum tube current, 2mA minimum tube current. NOS clean and guarantee. EEV UK was part of GEC UK. These are QS1202, similar to 85a2 but not equivalent.	GVT	2.50 100 @ 2.00 500 @ 1.50
85A2	EEV UK made NOS. B7G base, potential audio.	OB	5.00 80 @ 4.00
85A2	West European made NOS. Tested, guaranteed. Most are Mullard. A high voltage stabiliser. 115v striking voltage, 85v maintaining voltage. For a tube current variation of 1mA to 10mA the voltage regulation is 4 volts. Useful to stabilise the voltage of an oscillator, or as a voltage reference for a stabilised supply. Data: Va=85V, Ik=5Ma. Data http://tubedata.itchurch.org/sheets81.html	WB	3.50 4 @ 3.00
85A2	USA made NOS with logo. Printed 5651WA. RCA, Raytheon, Sylvania etc.	OB/BP	2.50 50 @ 2.00
85A2 / 75B1	These are 75B1. CV284 EEV logo UK. NOS. Gas filled stabiliser valve. These 75B1 have some similarities to 85A2. Photo/data for 75 B1 and 85 A2 on the tubedata.itchurch website.	OB/WB	3.00 400 @ 2.40
90C1	West European made Mullard, Amperex and EEV. B7G base, potential audio. Va=90V, Ik=40mA. NOS, clean, uniform.	OB/WB	4.50 6 @ 2.00 150 @ 1.80
90CG	West European made. Valvo, Philips, Amperex and EEV. NOS.	OB/WB	10.00
90CV	West European made. Philips, Amperex and EEV. NOS.	OB/WB	16.00
92AV	Photocell, West European made. Valvo, Philips, Mullard etc. NOS.	OB/WB	33.00
100TH	EIMAC/ other USA, NOS. Tested Guaranteed. Audio triode.	OB/WB	60.00
DISPLAY ITEM 100TH	Eimac, USA. Most have logo. Very large tennis ball shape, 20 cms or 8 inches high. Unused, clean but failed test. An audio triode. Photographs on request.	OB/WB	10.00
112A	West European/North American brands.	GVT/WB	20.00
150B2	EEV/Brimar/Mullard/Philips/Valvo. West European manufacture. Equivalent to CV2225.	OB/WB	10.00
150B3 / CV287	GEC and EEV 1960s UK NOS. Some have GEC sticker. A 150 volt regulator tube designed for regulated voltage supplies. Data http://electronbin.com/sheets12.html	Mostly GVT	5.00

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
150C2	Please refer to equivalent OA2 .		
150C3	Equivalent to VR150-30 .		
171A / 71A	USA NOS. RARE when available.	OB/WB	Sh'lder 35.00 Balloon 60.00
185BT / 185BTA	Cossor logo UK NOS.	Most OB	18.00
210HF	UK, NOS near equivalent HL2.	OB/WB	55.00
210HF	UK, test as Grade One. Near equivalent HL2.	G1	40.00
Grade One			
203A	USA, clean, antique and interesting item.	G1	10.00
Display	Test fail. For display only. Appearance is partly similar to 211.		5 @ 8.00
205D / 1276	1 only Sylvania logo NOS type 1276. Tested guaranteed. 1276 is near equiv to 205D. Suits Altec & WE Theater Amplifiers. 1276 operating characteristics when used as amplifier: Heater Voltage: 4.3V – 5V AT 1.6A. Anode voltage: 200V – 350V Grid Voltage: -10V to -25V. Anode current: 17 – 25 Ma. Zout: 3 – 4 K ohms, Mu: 6 – 7.5 Transconductance = 2000, Max Continuous anode: 15W 1276 is also similar to 2A3 but 4.5v heater.	WB	200.00
210	West European/North American brands. Balloon shape.	OB/WB	120.00
210LF	UK, NOS maybe a near equivalent to HL2.	OB/WB	45.00
210HF	UK, Test as Grade One. Maybe a near equivalent HL2.	G1	30.00
Grade One			
211	Chinese. New, tested, guaranteed.		48.00 10 @ POA
211	GE USA NOS. If available, rough guide price GBP450.	OB/WB	POA
211 / CEP120 / 3C21	These are CEP120 audio triode. Equivalent to ZB120, 3C21. Similar to 211/ VT4C. Low distortion, zero bias Class B amplifier. Amplification factor 90, anode voltage of 750 - 1500v. Class B audio data http://electronbin.com/sheets/111/z/ZB120.pdf Photo https://www.radiomuseum.org/tubes/tube_zb120.html We have 4 pieces NOS CUE120. United logo. USA NOS. 4 pieces. Amperex CEP120 logo USA NOS.	GB	POA
211A	If used as Audio triode. Heater 3A @ 10V, anode 750 – 1000V, Grid: 30V: 65 Ma. Anode impedance: 3.5 K, Mu: 11 – 13. Anode: 65w.	OB/WB	POA
211 / 2J-211-H	These are Amperex 2J-211-H. USA made NOS with logo. * 2J-211-H is a possible alternative to 845, 211 or 805 * NOS clean tested guaranteed. Near offers considered. 2 pieces look the same. 2J-211-H seems to be direct equivalent of 8003. 8003 data www.mif.pg.gda.pl/cgi-bin/vs4.pl	OB	POA
212E	These are MZ2-200 Mullard, triode. Designed in the 1930s, a huge audio triode. Equivalent to Western Electric 212E and STC 4212E.	OB/WB	POA
215P / VR19	Cossor. Balloon shape. NOS.	GVT	15.00
215SG	Cossor UK manufacture NOS. These are wholesale prices. Please add 50 percent, if your order is below GBP240.	OB	11.00 6 @ 10.00
215SG	Cossor UK manufacture. Most test near new. Most are new but store soiled appearance. Sold as used item at used price.	WB	5.50 12 @ 5.00
218 USED	USA used, tested, decent appearance, guaranteed. www.radiomuseum.org/tubes/tube_cv2579.html Balloon shape 14amp rectifier. 15 inches / 38cms tall approx.	WB	30.00
220P	Includes equivalents VT20, 220P, CV1019, PM2, UK, NOS, Cossor logo. Balloon shape. Tested and guaranteed. Ask re bulk quantities.	OB/WB	25.00
227	Please refer to 27.		
231D	Western Electric logo in stock. Please enquire.	OB/WB	POA
249A	Western Electric logo in stock. Please enquire.	OB/WB	POA
250TH	250TH USA made NOS triode with lots of audio output power! Curves in the Vade Mecum or on duncanamps.com	OB/WB	200.00 4 @ 175.00

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
	2 Eimac logo & 2 united logo.		
250TH USED	250TH USA made triode with lots of audio output power! Curves in the Vade Mecum or on duncanamps.com Some Eimac logo, some united logo. Please enquire re quantity.	OB/WB	100.00 5 @ 90.00
259A	Western Electric USA. Yellow logo on base.	GVT	26.00
262A	Western Electric yellow logo. USA NOS. Tested and guaranteed. One piece only. Near offers considered.	GVT	375.00
262B	Western Electric yellow logo. USA. Test as used but clean and guaranteed. One piece only. Near offers considered.	GVT	150.00
272A	Western Electric logo, USA NOS. Mesh plate manufacture. 1950s. Data in "75 years of WE" book.	GVT	1 @ 80.00
274A	Western Electric if ever available are GBP900 wholesale.	OB	POA
274B	Sylvania. New perfect. When available are GBP650 wholesale.	OB	POA
274B	Sylvania, USA. NOS, but getter reduced size. Tested as new, but the getter is reduced in size, therefore sold at half price.	GB	200.00 3 @ 180.00
274B	Western Electric. Yellow logo. USA. NOS. Black anode. Our rivals advertise these at GBP1300. Guide price is GBP800 wholesale.	OB	POA
274B	Chinese, NOS tested with guarantee.	WB	20.00 10 @ 17.50
274B / 596	These 596 United NOS USA are nearly identical to 274B, but far cheaper. Connect the side anode connector to the pins on the base, it can replace 274B by means of an adaptor. When available.	WB	POA
275A	Western Electric. When available...		POA
280	Refer to type 80. We usually have balloon shape 80/380.	GVT	Refer to 80
282A	Western Electric. When available...	GVT	POA
300B	BILLINGTON. Chinese manufacture. 3 months guarantee. Brown base. Made by Shuguang China. New tested but not gold brand. GBP65 per tube wholesale price.	WB	65.00
300B	BILLINGTON GOLD SPECIAL EDITION. Chinese manufacture. Tested. 12 months guarantee. Supplied in matched pairs with individual test certificate. Great audio dynamics and long life. White base. Made by Psvane China. GBP76 per tube wholesale price.	Gold OB	76.00 152.00 per pair
300B	JJ. When available.	OB/WB	POA
300B	Shuguang. Chinese manufacture. With guarantee. Good for audio long life and good reliability.	Most OB	60.00
300B	Western Electric, USA manufacture. When available.	OB	POA
300B	Please refer to C3M for a useful driver for the 300B. Audio edition 198, page 18.		
300B	Please refer to RK20 for alternative, not equivalent		
300B USED	Chinese manufacture. New and unused but test result is around 65 percent emission, so sold at used price. Tested. 3 months guarantee. Matched pairs are possible for a small extra fee. Some Shuguang brown base, some Psvane white base. Price is for one tube .	WB	45.00 16 @ 42.00
304H	Eimac. USA, NOS, Tested and Guaranteed. Offers invited. Data www.tubedata.org . Possible audio type. 2 pieces.	OB/WB	200.00 2 @ 190.00
304TH	Eimac. USA, NOS, Tested and Guaranteed. Estimated 1960s manufacture. Possible audio type. Sockets for this tube are made by Zhang in China. Data http://tubedata.itchurch.org/sheets3.html	GVT	175.00 3 @ 160.00
304TL	Eimac or other USA, NOS. Audio type. Data www.tubedata.org	Most GB	200.00 4 @ 180.00
304TL USED	Eimac USA. Possible audio type. Used, tested, guaranteed. Decent appearance, but not new appearance. Sockets for this tube are available. Data http://tubedata.itchurch.org/sheets3.html	Most GB	75.00
307A	USA NOS.	OB/WB	POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
310A	Russian new. 4 pieces tested, guaranteed.	OB/WB	60.00
310A	Refer to 4328D alternative. 310A is UX6 BASE 10V heater. 4328D is octal, 7.5V heater.		
311A	Russian, NOS.	GVT	18.00 10 @ 15.00
316A	USA, NOS. Data www.tubedata.org Suits SE amplifiers, eg a 717A would drive a 316A, with 5670 cathode follower.	OB/WB	30.00
328A	Please refer to 4328A .		
329A	West German, used tested. Audio pentode similar to 310A. 311A is same as 329A except 311A is 10v heater. Sockets to fit in stock (7E2D).	WB	10.00
349A	Chatham and other USA. NOS. This Thyratron , with a top cap, anode cap is NOT equivalent to Western Electric 349A.	WB	60.00
350A	Western Electric USA. Logo, NOS. Offers considered. 1 only.	GVT	500.00
350A	Chinese. Shouldered shape. Tested, guaranteed.	OB/WB	18.00
350B	Made by Western Electric, but National Union logo. USA. NOS. D getter. Sometimes available.	WB	400.00
350B Grade One	Made by Western Electric, but National Union logo. USA made, tested as Grade 1. A small glass rattle. Sometimes available.	G1	190.00
354V Grade One	NOS MOV. When available...	G1	POA
367	NOS, guaranteed Philips. Data for item www.r-type.org/exhib/aby0014.htm This is NOT a photo of our stock.	GB	60.00
393A	Ferranti UK, Tung-Sol etc. UK/USA NOS. 4 pin Thyratron.	OB/WB	25.00 6 @ 22.00
399B	NOS genuine Western Electric audio tubes with logo.	OB/WB	10.00
400B	NOS genuine Western Electric audio tubes with logo.	OB/WB	10.00
401A	NOS genuine Western Electric audio tubes with logo.	OB/WB	10.00
403A	Western Electric logo in stock. Please enquire.	OB/WB	POA
403A	Western Electric audio tubes with logo, NOS, genuine.	OB/WB	20.00
403B	Western Electric. Please refer to EF95 / 403B W.E. for detail.	GVT	12.00
404A	Western Electric audio tubes with logo, NOS, genuine.	OB/WB	20.00
404A USED	Western Electric audio tubes with logo. Used tested, clean genuine. Some printed F-52983.	OB/WB	12.00
404A	Refer to 5847 .		
407A	Western Electric logo, NOS. Double triode same as 2C51 / 396A but with a 20V filament.	OB/WB	20.00
407A	Equivalent to 2C51.		
407A / 5670	Western Electric logo, NOS. These are 407A WE, double triode same as 2C51 / 396A but with a 20V filament.	OB/WB	15.00 8 @ 10.00 16 @ 9.00
408A / 6028	Refer to 6028 equivalent. 408A are similar to EF95 but have a 20v heater.	OB	4.00 20 @ 3.00
409B	NOS genuine Western Electric audio tubes with logo.	OB/WB	8.00
416A	Western Electric logo in stock. Please enquire.	OB/WB	POA
416B	Western Electric logo. 1 only. Gold plated.	OB/WB	35.00
417A	Western Electric NOS. Guide price, wholesale GBP80.	OB/WB	POA
417A	Exact equivalent to 5842 .		
417A	Please refer to E280F, similar but not equivalent. 417A are very rare, E280F are lower cost and more easily found.		
417A / 6S3P	These are 6S3P USSR NOS, similar to 417A . To the untrained eye, the printing on the glass looks like 6C3N. NOS guaranteed. Data for 6S3P at http://electronbin.com/sheets66.html	OB/WB	3.00
417A / PC86	These are PC86, East European. They have some similarities to 417A Western electric. Please refer to data below. These are PC86, pinnacle	OB/BP	2.50 300 @ 1.20

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
	logo, Zaerix logo etc NOS Clean, guaranteed. This type suits audio tuners. Photo www.tave.co.uk PC86 data http://tubedata.itchurch.org/sheetsP.html 417a data http://www.westernelectric.com/spec_sheets/417A.pdf , or http://tubedata.itchurch.org/sheets4.html		
417A / PTT141	These are PTT141 Thomson logo, NOS, made in France. Grey pin. Tested guarantee. PTT141 data http://tubedata.itchurch.org/sheetsP.html	OB	20.00 4 @ 15.00
418A	Audio tube with clean Western Electric logo, test as used, look decent but not new. Tested and guaranteed. Enquire for quantity.	WB	25.00
420A	Western Electric. Use 5755 Raytheon exact equivalent.		
436A	GEC/Marconi with logo/sticker, UK, NOS, audio tube. These are A2674, exact equivalent to 436A. Triple mica OR gold pin OR D getter. Photo www.tave.co.uk Data www.r-type.org/exhib/aam0019.htm	OB	68.00 8 @ 58.00
436A	Western Electric logo. USA NOS. D getter. Audio tube. Exact equivalent to A2674. Photo www.tave.co.uk Data www.r-type.org/exhib/aam0019.htm	WB	125.00 4 @ 120.00
436A Grade One	GEC logo, UK, Grade One. Audio tube, these are A2674, exact equivalent to 436A. Photo www.tave.co.uk data www.rtype.org/exhib/aam0019.htm	G1	50.00 4 @ 45.00
436A Grade One	Western Electric logo. USA D getter. Audio tube. Exact equivalent to A2674. Test As Grade 1 with small stains in glass and pins. Photo www.tave.co.uk data www.r-type.org/exhib/aam0019.htm	WB	75.00 2 @ 70.00
437A	When available. Guide price GBP450 wholesale. Try these alternatives (not equivalent) EC8010, 3A-167M, 436A. The 436A pentode can be wired up as a triode, similar to 437A.	OB/WB	POA
446A	RCA / GE. USA. NOS.	OB/WB	7.50 10 @ 4.00
448A	Western Electric logo in stock. Please enquire.	OB/WB	POA
450TH	Eimac USA. Huge NOS audio output triode. Guide price wholesale GBP150. Data in Vade Mecum or duncanamps.com	OB/WB	POA
450TH	450TL is a very similar item.		
450TL	NOS, probably made by Eimac USA, but has Hitronic logo. Huge NOS audio output triode. More than 30cm tall. Data in Vade Mecum or duncanamps.com , one piece only.	OB/WB	140.00
485	Audio tube. USA. NOS. Tested.	OB/WB	30.00
505	Philips. NOS. Balloon shape.	OB/WB	80.00
572B	Psvane China. Suits lower frequencies. With guarantee. Tested new.	OB	45.00
572B	Shuguang, China. New, tested guaranteed. Classic quality audio sound. Suitable for higher frequency and audio applications.	WB	45.00
572B	USA NOS. Rare. Please enquire for pricing.	OB	POA
572B Grade One	Psvane China. Tested as Grade 1, guaranteed. Suitable for LF and audio applications below 50 MHz. Manufacturer's data specifies anode handles 1250V. Suggested operating conditions are for anode 1450V, 20V grid.	G1	27.00
572B USED	Shuguang, China. Used, tested guaranteed. Classic quality audio sound. Suitable for higher frequency and audio applications.	WB	18.00
596	United logo USA NOS. A rectifier similar to 274b but has top cap. 1 only. Data http://tubedata.itchurch.org/sheets52.html and www.radiomuseum.org/tubes/tube_596.html	OB/WB	POA
616G	Brimar logo UK, NOS. Black glass. Tested, with guaranteed.	GVT	61.25 2 @ 60.00
705A	Western Electric or Raytheon. USA, NOS, logo. In stock. Half-Wave Rectifier 1940s made. Tube data: Vf=5.0V, If=5000ma, Va=30000V, IK=50mA, S=mA/V, Pa=W.	OB/WB	15.00 10 @ 12.00
710	NL710. USA NOS.	OB/WB	41.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
715C	GE USA. NOS. Also a few pieces 715B USA NOS at the same price. There are 10 pieces, GE 715C. Data http://tubedata.itchurch.org/sheets7.html	Mostly GBox	32.00 10 @ 28.00
717A	Raytheon logo USA NOS.	OB	13.00
717A Grade One	Western Electric, Tung-Sol /Raytheon. USA test as Grade One. Many have GVT boxes printed "West Electric/Raytheon".	G1/GB	10.00
719A	Western Electric and other USA NOS. 25KV rectifier. Data www.radiomuseum.org/tubes/tube_719a.html Data www.tubedata.org	GB	8.00 20 @ 6.00
723A	Western Electric logo in stock. Please enquire.	OB/WB	25.00 8 @ POA
750TL	NOS, Eimac USA, 1 only. NOS audio output triode. More than 30cm tall. Data in Vade Mecum or duncanamps.com one piece only.	OB	280.00
800	Amperex USA. NOS unused. Tested, guaranteed. The getter splash is imperfect tense reduced price. 1 piece.	WB	70.00
801A / VT62	USA NOS. Rare item. Guide price GBP80 wholesale.	OB/WB	POA
801A Grade One	USA. Tested as Grade One. 2 pieces that look the same, Taylor brand. 1 piece RCA, white ceramic base. 1 piece RCA Brown base. Near offers considered for 4 pieces.	G1	50.00 4 @ 40.00
802	Various USA brands.	OB/WB	6.00 20 @ 5.00
803	Mix USA NOS.	OB/WB	25.00
804	RCA USA NOS. Transmitter pentode with some similarities to 813 but not equivalent. Potential audio type.	GB	30.00 20 @ POA
805	Chinese. Tested with guarantee. Audio triode. Partly similar to 211/VT4C/845. Data http://scottbecker.net/tube/sheets8.html	OB	60.00 5 @ 40.00
805	USA NOS. Singles, not sets of 2 the same.	GB/WB	225.00
805	USA, in sets of 2 the same. Guide price GBP280 per tube.	OB	POA
805 USED	USA, with logo. Tested as used, with 65-75 percent emission, guaranteed.		115.00
807	BILLINGTON GOLD, Russian. With guarantee. Please refer to page 6 for full details. Audio pentode.	OB	9.00 50 @ 8.25
807	Brimar West European made, NOS, brown base with logo. 12 pieces identical appearance. Clean, perfect appearance.	OB/WB	11.00 12 @ 10.00
807	Brimar logo or Cossor logo, UK NOS. 1940s made. White ceramic base. Tested/guaranteed.	GB	52.50 4 @ 50.00 12 @ 47.50
807	Mazda France. 12 pieces, all the same appearance. Fivre Italy, 6 pieces all same appearance. Brown base, tested, guaranteed, logo.	GB/WB	25.00 6 @ 22.00 18 @ 20.00
807	National Union logo, USA NOS, shoulder shape. A great looking high quality tube. Other USA brands in stock.	OB/WB	15.00 8 @ 14.00
807	Philips sold out. Please enquire for more stock.		POA
807	RCA logo, USA NOS. A great looking high quality tube.	OB	16.00 8 @ 15.00
807	Russian. New tested guaranteed. Audio pentode.	OB/WB	8.00 4 @ 7.00 50 @ 6.50 100 @ 5.00
807	Sylvania green logo USA NOS. Light brown base. Believed to be late 1950s manufacture. NOS tested guaranteed.	GB/WB	15.00 10 @ 13.00
807	Cossor logo, UK made NOS. Brown base.	OB/WB	32.00 16 @ 24.00
807	All UK made NOS, brown base with logo. Mullard.	WB/OB	32.00 16 @ 27.50

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TYPE	COMMENT	BOX	£ GBP PRICE each
807 / 5933	Please refer to 5933 on approx page 73 of this catalogue, for up-to-date prices.	Most GB	
807 / HY60	These HY60 are similar to 807 with the same pin out, but HY60 are lower power and MUCH cheaper. 807 heater is 0.9A, HY60 heater is 0.5A. 807 transconductance is 6000 umhos, HY60 transconductance is 4100 umhos. Data http://electronbin.com/sheetsH.html both UX5 base shoulder shape. Hytron logo USA NOS, white ceramic base. Tested, guaranteed. Uniform.	OB/WB	10.00 16 @ 8.00
807 Grade One	Some Cossor, some Brimar. All UK with logo & white ceramic base. Not new but decent appearance. Tested around 80 percent emission with good print and guarantee.	G1	45.00 8 @ 35.00 20 @ 33.00
807 Grade One	RCA logo, guaranteed, uniform. Not new appearance but decent appearance. Test as grade one.	G1	9.00
807 USED	8 x Cossor logo, 8 x Brimar logo. White Ceramic base. All UK, tested approx 65 percent emission. Guaranteed. Decent appearance.	G1	30.00 8 @ 23.00 12 @ 22.00
807 USED	Approx 10 pieces of each of the following. Marconi, Raytheon, Sylvania, RCA and Westinghouse. Clean but not new. Sets of 4 identical should be available. Logo and guarantee.		7.00 10 @ 6.00 40 @ 4.50
807	Please refer to 5933 or to 5B-254M which is the same electrically but has a different base [loctal not UX5]. 5B-254M STC UK is cheaper than UK/USA 807.		
807	Please refer to 307A for possible alternative, not equivalent with different electrical characteristics.		
808	RCA, GE, or other USA NOS. Clean, tested and guaranteed. Please enquire. Made 1945-1955 approx. UX5 base audio triode. Similar to 811A. Top cap anode cap from stock. Data www.tubedata.org/photo/data www.r-type.org/exhib/aac0011.htm	Most GB	90.00 4 @ POA
809	RCA, Cetron etc. USA. NOS. UX4 base Audio triode with logo. Partly similar to 811A and 2A3. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheets8.html	Most GB	20.00
810	Chinese, tested with guarantee.	OB/WB	45.00
810	USA, NOS.	WB	125.00
810 Grade One	Audio power triode, some similarities to 845, 211, though not equivalent. NOS. USA made. Heater is 10v at 4.5A, 125 watts, Mu is 36. RCA Taylor CBS. Data pdf http://www.r-type.org/exhib/abh0308.htm	G1 box / WB	70.00 4 @ 60.00
810 USED	USA, with logo. Tested as used, with 65-75 percent emission guaranteed. Fairly clean.	WB	45.00
811A	Sets of 2 the same appearance. 2 Sylvania logo, 2 RCA logo. NOS. Tested and guaranteed. USA made. 811A has similarities to DA42, but not equivalent. We have data, top caps and sockets for all.	Most GB	50.00
811A	BILLINGTON GOLD, Chinese. Tested/guarantee. If available.	OB	42.00
811A	Psvane Chinese. Tested/guaranteed.	OB	37.50 8 @ 33.00
811A	Chinese Shuguang. If available. Tested/guarantee.	OB	30.00
811A	RCA or Sylvania USA NOS. Tested logo and guarantee. Sets of 2 pieces same brand & same appearance. GBP 50 per tube.	Most GB	50.00
811A	RCA or Sylvania USA NOS. Tested logo and guarantee. Singles. None are 2 pieces of same brand.	OB/WB	40.00
811A	Russian - black or brown base with top cap. Guide price GBP 40 wholesale.	OB	POA
811A	Shuguang Chinese.	WB	30.00
811A	Please refer to 572B for superior quality item.		
811A/811 USED	4 pieces RCA logo, all look the same. 4 pieces Sylvania logo, all look the same. Used, tested/guaranteed. USA made. Decent appearance.	Most GB	25.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
811A Grade One	6 pieces RCA and 6 pcs Sylvania. ALL USA made, tested with logo. All in sets of 2 or 4 the same appearance. Tests as Grade One. Near equivalent to 572B. 811A is an alternative, to DA42. DA42 has a different base (B4), different filament and anode. We have data, top caps and sockets for all.	G1	When available POA
812A	USA. RCA logo. NOS. Audio triode. 4 pieces look the same.	OB	50.00 4 @ 40.00
812A	Chinese, new tested.	WB	25.00 6 @ 18.00
813	Chinese, new tested guaranteed. 10 pieces.	OB/WB	52.00 7 @ 48.00
813	Russian, new tested guaranteed. 8 pieces.	OB/WB	54.00 8 @ 50.00
813	USA and Western European brands, includes Mullard, RCA, National Union, Westinghouse, Sylvania. NOS and tested. Rare but we usually have a few.	OB/WB	68.00
813 Grade One	Used but test as nearly new. Sold as Grade 1. Guaranteed. Decent appearance and good print. RCA, GE, STC, 2 Westinghouse, etc. Rare , usually available.	G1 box	40.00
813 USED	USA/ UK brands. Rare. A few available. Tested guaranteed.	WB	30.00
814	USA, UK NOS. Includes VT154. Few only	WB	25.00
814 Grade One	USA, UK mixed brands. Used, but decent appearance, tested 80 percent emission.	G1	15.00 10 @ 12.00
816A	USA. NOS.	OB/WB	27.50
826	USA. NOS and guarantee.	OB/WB	26.00
828	RCA logo USA NOS, tested guaranteed. Powerful vintage audio pentode. We have sockets to fit, in stock. Data Vf=10V, If=3250mA, Va=1250V, Ik=160mA. More data http://electronbin.com/sheets8.html	GVT	52.00
828 USED	Mix UK , USA Hungary. Used guaranteed. Powerful audio pentode. Data etc above.	WB	26.00 4 @ 22.00
829B	Westinghouse logo. Unsure if these are Russian or USA made. Tested/guaranteed NOS. Audio type.	OB/WB	7.00 5 @ 6.00
829B	USA. Used, tested.	WB	7.00
829B / 3E29	RCA logo USA NOS, and other USA brands. Sets of 2 or 4 pieces the same. Tested/guaranteed NOS. Audio type. These 3E29 are equivalent to 829B. Data on request.	Most GB	10.00 5 @ 9.00 25 @ 8.00
832 / A	UK/Holland NOS. Guaranteed. Audio tube. Most are QQV04-15 Mullard equivalent.	OB/WB / GVT	8.50
833A / 833C	New Chinese. Tested, guaranteed. A huge audio triode. Socket and top cap available.	OB	172.50
833A	NOS USA if available. Guide price GBP240 wholesale.	OB/WB	POA
833A	RCA USA with poor getter splash. These are tested working/guaranteed, but the getter has almost disappeared therefore reduced price!	WB	50.00
836	Cetron USA. NOS, clean, tested, and guaranteed, with logo. Potential audio type. With some similarities rectifier type U19. Data Vf=2.5V, If=5000mA, Va=5000V, Ik=250mA. Sockets to fit these in stock. See extra information under U19/836.	OB/GVT	11.00 100 @ 9.00
837	RCA / other USA. NOS, clean, tested, and guaranteed, with logo. Potential audio type, some similarities to 807. Data http://electronbin.com/sheets8.html Sockets to fit these in stock.	OB/GVT	6.00 4 @ 5.50 50 @ 4.50
837	USA NOS with logos. Audio pentode which could be strapped up for triode mode also. Triode curves maybe available on request. Data: Vf=12.6V, If=700mA, Va=500V, Ik=80mA. More data/photo http://tubedata.itchurch.org/sheets8.html	OB/WB	5.00 30 @ 4.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
838	GE USA NOS with logo. Audio Triode. 2 pieces look the same. Data/photo http://tubedata.itchurch.org/sheets8.html	OB/WB	92.00 2 @ 90.00
843	USA NOS with logo. Audio triode. Coke bottle shape.	OB/WB	32.00
843	USA NOS with logo. Audio triode. Balloon shape.	OB/WB	50.00
845	BILLINGTON GOLD logo, Chinese manufacture. Tested, 12 month guarantee. These Chinese tubes have seen vast quality improvements over recent years & receive favourable reviews in the hi-fi media.	OB	68.00 10 @ POA
845	Chinese manufacture. Tested 90 day guarantee.	WB	64.00 10 @ POA
845 / ACT6 USED	MOV, GEC UK. Used tested. These are ACT6 GEC, similar to 845. ACT6 data www.tubecollector.org/nt39.htm	WB	130.00
845	Please consider CV2231 as a driver for 845.		
845	USA. Very rare. Please ask.	GB	POA
845B	Shuguang Chinese manufacture. Rare, please ask.	OB/WB	POA
866A	Chinese. NOS. Tested and guaranteed. Audio half wave rectifier	OB/WB	12.00
866A	Fivre Italy. Audio rectifier. NOS. Tested/guaranteed.	OB/WB	16.00 16 @ 15.00
866A	UK/USA.NOS.	OB/WB	16.00
872A	RCA and other USA made. NOS. Tested and guaranteed. Rectifier. Data on request.	Most GB	35.00
872A	Chinese new. New, tested and guaranteed. Rectifier. Data on request.	OB/WB	25.00 25 @ 20.00
872A / 8008	These are 8008 or ESU8008. Huge audio rectifier, equivalent to 872A, 10,000v anode. RCA USA, Ediswan UK. Sets of 2 pieces of the same appearance. Data http://electronbin.com/sheets8.html	OB/WB	30.00 8 @ 25.00
872A / ESU74	These are ESU74 GEC UK NOS. Huge audio rectifier, slightly similar to 872A, 21cm tall. ES base. Filament voltage 4V, filament current 12A. Max mean anode power 100W. Max PIV 65kV. Min total emission 2.5A.	OB/GB	20.00 16 @ 15.00
874	RCA and other USA NOS. A 1920s made rectifier. Balloon shape. Photo http://www.radiomuseum.org/tubes/tube_ux874.html Data http://tubedata.itchurch.org/sheets81.html	OB/GVT	12.00 10 @ 10.00
874	RCA and other USA NOS. A rectifier. Shoulder shape. Photo http://www.radiomuseum.org/tubes/tube_ux874.html Data http://tubedata.itchurch.org/sheets81.html	OB/GVT	6.00 10 @ 5.00
920 / GS149	NOS. UK or USA. 14 in stock. Photovell.	OB/WB	10.00
926	USA NOS. photo cell or similar. 10 pieces.	GVT/WB	15.00
928A	USA brands including RCA, also ATES brand West European. NOS.	OB/WB	10.00
931A	RCA, USA. NOS with guarantee.	Most GVT	12.00
954	USA NOS.	WB/GVT	4.00
955	USA NOS. RCA, GE etc. Maybe a few CBS.	GVT/WB	5.00 100 @ POA
955	Refer to 9002 for identical item with different base. 955 uses 'acorn base' that is impossible to find. 9002 uses B7G socket, in stock.		
956	USA NOS. RCA, CBS etc. Photo & data http://www.r-type.org/exhib/aaa0109.htm	OB/WB	4.40 4 @ 4.00 50 @ 3.30
957	USA NOS "Acorn valve" RCA etc.	GVT/WB	2.40 25 @ 1.70
958A	USA NOS. RCA, CBS etc. Photo/data http://www.r-type.org/exhib/aai0061.htm	OB/WB	4.40 4 @ 4.00 50 @ 3.30
1006 = CK1006	USA NOS. Full wave rectifier. Inert gas filled. UX4 base. Some similarities to 5U4G. Operating peak anode 800V. DC output 550V. DC output 200mA. Cathode may be either directly or ionically	OB/WB	22.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	heated; ionic heating only possible for output current in excess of 70 mA. Peak inverse anode 1600V. Data www.radiomuseum.org		
1007	CK1007. JAN Raytheon logo USA NOS. Silver metal. Audio rectifier. Data: Vf=1.0V, If=1200ma, Va=980V, Ik=110ma. More data http://tubedata.itchurch.org/sheets1.html	GB	3.00 5 @ 2.40 100 @ 1.80
1007 Grade One	USA with logo, CK1007. Silver or black metal. Audio rectifier. Grade One. Data: Vf=1.0V, If=1200mA, Va=980V, Ik=110mA.	G1	1.80 50 @ POA
1616	RCA/Haltron, USA with logo. NOS, clean, tested with guarantee. Audio type. Data: Vf=2.5V, If=5000mA, Va=6000V, Ik=130mA.	OB/GVT	3.60 60 @ 3.00
1619	USA NOS. RCA or Kenrad. Black metal, almost identical to 6L6 but 1619 has 2.5 volt directly heated filament.	OB/WB	7.50 4 @ 6.50 76 @ 5.25
1619 Grade One	USA RCA. Tests as Grade One, used but decent appearance.	G1	5.00 40 @ 3.50
1622	RCA, USA. Equivalent to 6L6. Refer to 6L6 for wholesale special offers.	GVT/WB	14.00
1624	Kenrad / RCA USA. NOS. Possible alternative to 6L6G and 807, but 2.5V heater.	GB/WB	16.00 8 @ 14.00
1625	40 x RCA 20 x Sylvania All USA NOS with logo.	GVT/WB	5.00 8 @ 4.00 60 @ 3.50
1625 Grade One	USA/Canadian brands. Tested as Grade One.	G1	4.50
1626	USA. NOS. Similar to 6J5G but different heater.	OB/WB	7.20
1802	Philips. NOS. Please enquire for price.	OB/WB	Stock
1805	Philips. NOS. Balloon shape.	OB/WB	25.00
1821	Philips Mullard. NOS. Balloon shape. Data for REN1821 equivalent at http://electronbin.com/sheetsR.html	OB/WB	40.00 4 @ 30.00
1821 Grade One	Philips, Mullard. Shoulder shape. Audio rectifier.	OB/WB	13.00 8 @ 11.00
1821 USED	Philips Mullard. Used, tested. Balloon shape. Data for REN1821 equivalent is above.	OB/WB	20.00 6 @ 15.00
2050	Brands including GE RCA, USA made. NOS. Data http://tubedata.itchurch.org/sheets2.html	OB/WB	12.00 15 @ 10.00 40 @ 9.00
2050A	GE USA brands. NOS. Useful for audio e.g. juke boxes. Data http://tubedata.itchurch.org/sheets2.html	OB	12.00 20 @ 9.00
2050W	Raytheon or Chatam USA. NOS. Useful for juke boxes. Data http://tubedata.itchurch.org/sheets2.html	OB/WB	13.00 20 @ 10.00
4019B	Near equivalent to 3A-107B , STC logo, UK. NOS. Tested guaranteed. Audio triode. Socket to fit in stock. Ref SOC4B4-B5A.	OB/WB	75.00 2 @ 70.00
4020A	STC, UK. NOS audio triode. Data: Vf=4.0V, If=250mA, Va=190V, Ik=16mA, S=2.2mA/V. Data www.tubedata.org . UV4 sockets to fit this are available.	GVT	50.00
4020A Grade One	STC, UK NOS. Audio triode. Tests as Grade One. Refer to 3A-108A equivalent elsewhere in this catalogue.	G1	37.50
4020A USED	STC logo, UK. Used, tests 65-75 percent. Guarantee. Audio triode. Refer to 3A-108A equivalent elsewhere in this catalogue.	WB	25.00
4033L Grade One	STC red logo. Tests as Grade One. Audio triode with similarities to 300B, PX4. Data in the 4033L NOS section, below. The 1 piece NOS below and this 1 piece Grade One make 2 pieces identical appearance.	G1	100.00
4033L	STC with red logo. NOS tested. Data: Vf=6.3V, If=1400ma, Va=600V, Ik=90mA, S=9.0mA/V, Pa=25W. Equivalent to 3B-252M. Data for 3B-252M www.tubedata.itchurch.org/sheets3.html The 1 piece NOS and the 1 piece Grade One make 2 pieces identical	GVT	175.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	appearance.		
4033X	STC UK NOS. 2 pieces look the same. Triode with some similarities to 300B. 4033L is very similar. 4033L data via the search engine at www.mif.pg.gda.pl/homepages/frank/vs.html	GB	180.00 2 @ 160.00
4033X USED	STC UK. Used, tested, 2 pieces look the same. Data in the other 4033X paragraph.	WB	90.00 2 @ 80.00
4042	RCA USA. This type is needed in signal generator H.P.608E.	OB	8.00
4043	RCA USA. RCA logo. Equivalent to 5876A. This type is needed in signal generator H.P.608E. Please note this is not an audio tube. Clean, uniform and guaranteed. These are very clean NOS tubes in original sealed packets with plastic end terminal connectors on them.	OB	3.00 10 @ 1.67 1,000 @ 1.50
4043C	STC UK. NOS. Audio triode. When available are GBP150 wholesale.	OB WB	POA
4045A Grade One	STC large audio pentode. NOS. Study the data here www.tubecollector.org/4045a.htm . A large audio pentode that could be strapped up as a triode. Balloon shape, looks similar to PX25. Tests nearly new, getter imperfect, so sold at grade 1 price.	G1	230.00 4 @ 220.00
4069A	NOS audio pentode that could be strapped up as a triode. Balloon shape.	OB/WB	POA
4211E	STC logo. NOS. Black base, top pip glass. Tested. Looks new. 4211E is similar to GE211 and 211A. On special offer, this month only. More data http://tubedata.itchurch.org/sheets4.html	WB	500.00
4212H	STC UK. NOS. Very rare. Occasionally available.	OB/WB	POA
4212H	STC logo UK. NOS. Very rare. 1 only. See through zirconium getter. Tested. Guaranteed and clean. Photo available quickly. Sorry, no discounts of any sort and/or no near offers.	GB	1,200.00
4212E	PLEASE REFER TO 5C-450A. 5C-450A is a pentode, but could be strapped to give 100W single ended, partly similar to 4212E.		
DISPLAY ITEM	STC logo, UK. Famous huge audio triode that have failed our testing but would make a great display item. 4 pin base well over 40 cms tall.		30.00 5 @ 24.00
4212E			
4300A	STC UK NOS. Black anode, D getter. GBP1,300 wholesale when available.	OB/WB	POA
4300B	BILLINGTON GOLD UK logo. Chinese Gold plated pins. Higher heater current compared to 300B. Tested, guaranteed. The last 4 pieces 4300B we have.	OB	70.00
4304CB	STC / ITT UK. CV315-DET12. NOS. When available, POA		POA
4304CB / 8019 / DET12	UK/ USA NOS. Tested. Audio triode. These are 8019 or DET12, equivalent to 4304CB. 3 pieces, 3 different brands. Data www.r-type.org/exhib/aab0109.htm	GVT	100.00
4310A	STC white logo. UK NOS.	OB/WB	100.00
4328A	STC logo UK NOS. Possible alternative, not equivalent to 310A.	GB	50.00
4328D	NOS STC logo UK NOS. Similar to 310A. Refer to data in the other 4328D section, below. 2 pieces NOS in stock. 100 pieces NOS from my supplier with quick delivery.	GB	55.00 2 @ 54.00 100 @ POA
4328D USED	STC logo UK NOS. Similar to 310A. (4328D is octal base. 7.5 heater. 310A is UX6 base 10v heater.) Data http://electronbin.com/sheets4.html	GB	28.00 4 @ 25.00
4657	RCA, USA. NOS. 90 day guarantee. Equivalent 8072.	OB/WB	25.00
4662	Philips, Holland. NOS. 90 day guarantee. Testing can be arranged. Rare antique tuning indicator.	OB	120.00
4687	Philips logo. Made in Holland. NOS guaranteed. Data http://electronbin.com/sheets4.html	OB	7.00 15 @ 6.00
4687K	Philips logo. Super quality. Made in Holland. NOS tested guaranteed. Data http://electronbin.com/sheets4.html	OB	7.00 50 @ 5.00
4896B/V5	RCA USA. NOS. Mint. Photomultiplier or Vidicon.	Most GVT	200.00 10 @ 180.00
5517	USA, NOS.	OB/WB	7.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
			40 @ 6.00
5544	UK. NOS.	GVT	POA
5545	Please refer to PL5545A .		
5551 / GL-5551A	Ignitron USA NOS. We cannot test this item. Sold with a 6 month guarantee.	WB	100.00
5636 / 5840	These are 5636, direct replacement for 5840, top quality. Sylvania USA. NOS. Suits amplifier stomp box amplifiers, microphone stereo applications, fuzz pedals. Data/photo http://frank.pocnet.net/sheets5.html	OB/GVT	4.00 100 @ 3.20
5639	Please refer to EL84 / 5639.	WB	
5643	USA. NOS. Sub-miniature thyratron; 500v PIV, 22mA anode current.	Mostly OB	2.50 100 @ 1.50
5642	RCA, GE or Sylvania. NOS. Most with logos.	Mostly OB	3.00 80 @ 2.50
5644	Raytheon, NOS. Potential audio type. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheets5.html Lowest Prices.	GVT	3.50 5 @ 2.67 100 @ 2.00 2,000 @ 1.20
5654	Please refer to Mullard, CV4010 .		
5656	Raytheon/JAN logo. NOS. Clean and guaranteed. Possible audio double tetrode with B9A base. All identical and perfect condition. Data: Vf=6.3V, If=400mA, Va=150V, Ik=15mA, S=5.8mA/V. Utilise as a high frequency driver or QRP VHF final. Audio tetrode. Data www.tubedata Photo www.tave.co.uk	GVT	4.00 10 @ 2.75 3,000 @ 1.80
5670	Chinese made. NOS. Good quality audio double triode. Tested. With guarantee. Data http://tubedata.itchurch.org/sheets5.html Photo www.tave.co.uk Deduct 25p if you accept with egg crate / bulk pack instead of WB. Near offer considered if ordering 500+ pieces. Suitable for microphones such as Soundelux E251.	WB	2.50 8 @ 1.67 100 @ 1.30 2,000 @ 1.10
5670	O getter USA made. NOS. Most with logo. Clean, guaranteed. Many are black anode.	OB/WB	6.50
5670	D getter or triple mica. USA or French. NOS. Tested, guaranteed. Most have logo. GE, RTC, RCA, Westinghouse etc. Please enquire for actual stock.	Most GB	10.00 10 @ POA
5670 USED	Mixed brands USA made. Used, tested. Some circle getter, some square getter.	WB	3.50 10 @ POA
5676 / CV9260	Mullard, UK NOS. These are CV9260, similar to 5676 but CV9260 has a larger glass bulb. Use the search engine at this link to find 5676 data http://www.mif.pg.gda.pl/homepages/frank/vs.html	Most OB/GVT	3.00 50 @ 2.50
5678	CK5678 USA made Raytheon. NOS audio pentode. Vacuum Tube. Valley magazine issue 13 says these would make good audio pentodes with low distortion and low noise. Sub-miniature. Can operate on just 45V DC anode so can operate directly from 48V phantom power supply. Broadband pentode. Heater is 1.25V at only 50 mA so can work from an ordinary alkaline battery. Data: Vf = 1.25V, If = 50mA, Va = 90V, Ik = 3mA, gm = 1.1mA/V, pa = 0.2W. Audio pentode data http://tubedata.itchurch.org/sheets51.html Photo www.tave.co.uk	OB/WB/ BP	2.10 10 @ 1.80 200 @ 1.40 800 @ 1.25
5684	PL5684. UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	40.00
5685	Thyratron, Westinghouse 5685. Equivalent to C6J. NOS with 3 months guarantee.	Mostly OB	60.00 20 @ 50.00
5686	Audio Pentode, GE USA. NOS. B9A base. Data http://electronbin.com/sheets5.html	Mostly OB	5.00 10 @ 4.00 100 @ 3.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
5687	GE, RCA, Raytheon USA, NOS. With logo, tested, guaranteed. Some are 5687WA, some are 5687WB.	OB/WB	16.00 10 @ POA
5687	Sylvania. USA, NOS. With logo, tested, guaranteed. Some are 5687WA, some are 5687WB. Supplied in sets of the same appearance.	OB/WB	16.00 10 @ 15.00 50 @ 14.00
5687	Raytheon USA with logo, tested, guaranteed. Many are Grade 1 (80 percent emission). Many are D getter . Some are 5687WA, some are 5687. Supplied in sets of 8 of the same item, same appearance.	WB	9.00
5687	Tung-Sol logo. USA made. NOS. D getter.	Mostly OB	30.00 20 @ 25.00
5687	Tung-Sol. Vintage USA NOS. O Getter. Most have logo and OB.	Mostly OB	25.00 20 @ 22.00
5687 / 7370	10 x RCA, 10 x Sylvania, 10 x Westinghouse. USA made NO with logo. These 7370 are very similar to 5687 but 7370 have higher anode current.	OB	6.00 30 @ 5.00
5687WB	ECG Philips. Blue logo USA NOS. All the same appearance. Vintage NOS/NIB JAN, Sylvania, Philips, ECG black anode. Made in USA. Tested, guaranteed.	GBOX	22.00 8 @ 21.00
5687WB	ECG Philips. Green logo USA NOS. All the same appearance. Vintage NOS/NIB JAN, Sylvania, Philips, ECG black anode. Made in USA. Tested, guaranteed.	GBOX	22.00 8 @ 21.00
5687 USED	GE 5 STAR ***** logo USA made. Many of these look nearly new. Test as used 65 -75 percent approximately emission. Some are 5687WA, some are 5687WB. Supplied in sets of 4 the same type and same appearance.	WB	14.00 9 @ 12.00
5687 USED	Tung-Sol logo, vintage USA made O getter. Test as used 65 -75 percent approximate emission, but many of these look nearly new. Data: Vf=6.3V, If=900mA, Va300=V, Ik=36mA, S=11A/V, Pa4,2=W Data http://tubedata.itchurch.org/sheets51.html You can buy adaptors to convert 5687 into ECC32 or E182CC Near offers considered for 20 pieces or more.	WB	10.00 2 @ 9.00 40 @ 8.00
5687 USED	Tung-Sol logo, vintage USA made D getter. Test as used, over 60 percent emission. Data http://tubedata.itchurch.org/sheets51.html You can buy adaptors to convert 5687 into ECC32 or E182CC.	WB	15.00 20 @ 12.50
5687 / WA USED	100 pieces GE. 35 of each Westinghouse, Raytheon, Sylvania. Many look nearly new. Test as used, over 60 percent emission. Some are 5687WA, some are 5687WB. Supplied in sets of 10 of the same type and same appearance.	WB	8.00 4 @ 6.50 205 @ 4.40
5691	CBS, USA. NOS. Brown base . Tested. With guarantee. Near equivalent to 6SL7.	OB	37.00 4 @ 33.00
5691	CBS, Philips USA NOS. Black base . Tested. With guarantee. Near equivalent to 6SL7. We have 2 pieces as described above and other 5691 USA made, please enquire.	OB	37.00 2 @ 33.00
5691	RCA logo, USA NOS. Red base. Tested with guarantee. When available.	GVT	80.00
5691	RCA logo, USA. Red base. Tested as used with guarantee. When available.	WB	40.00
5691 Grade One	RCA logo USA, Red base. Grade One. Tested guaranteed. With logo. When available.	G1	60.00
5692	Brown base. USA, NOS with logo. Near equivalent to 6SN7GT. When available.	OB/WB	130.00
5692	Raytheon logo, USA NOS. Near equivalent to 6SN7. Black plate. Attractive light brown base. Raytheon, "sleeve" of 5 identical tubes, all 5 look the same. Very clean and "original".	OB	55.00 5 @ 45.00
5692	USA, NOS. Red base. When available GBP90 wholesale.	OB/WB	POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
5692 USED	Tested guaranteed. Brown base.	WB	70.00
5693 Grade One	RCA, USA, with logo, red metal. Test as Grade 1. Decent appearance for a used tube. Not new appearance.	G1	15.00
5696	Thyratron with similarities to 2D21. Suits some audio amplifiers. USA NOS. Small quantities GE, etc. Data: Vf = 6.3V, If = 150mA, Va = 500V, Ik = 25mA. Can be utilised for controlling relays or touch switches.	OB/WB	3.25
5696A	Thyratron with similarities to 2D21. Suits some audio amplifiers. Data in 5696 section above. National and other USA brands.	OB/WB	2.25 30 @ 2.05 400 @ 1.80
5702	Russian NOS with Russian print. Useful audio/microphone sub miniature pentode. Bargain price!	GVT	3.00 60 @ 1.50
5702 / 6J1B	Russian NOS equivalent to 5702. Printed 6Ж1Б [Cyrillic script]. NOS, wire ended. Data electronbin.com/	GB	1.50 20 @ 1.00 80 @ 0.90
5702WB	West European/North American manufacture including Raytheon.	GVT	6.00
5703	Please refer to EC70 equivalent.		
5703WA/WB	Raytheon, USA. NOS.	OB/WB	6.00 20 @ 5.00
5718	Thomson logo NOS. Clean and guaranteed. These are 5718. This wire ended sub miniature SINGLE triode is partly similar to half of an ECC81 double triode. 5718 heater 6.3v at 150Ma, anode 13ma. Mutual conductance 6.5ma/v ECC81 / 12at7 heater 6.3v at 250Ma, anode 10ma. Mutual conductance 5.5ma/v. Data: 5718 - Vf=6.3V, If=150Ma, Va=100V, Ik=22Ma. More data http://tubedata.itchurch.org/sheets51.html Photo http://www.radiomuseum.org/tubes/tube_5718.html	OB	4.00 10 @ 2.80 50 @ 2.50 900 @ 2.00
5719	Sylvania USA NOS wire ended. Some similarities to ECC83. Sub-miniature Hi-Mu Audio Frequency Triode, great for overdrive pedals, preamps etc. 5719 is half of a 6112. Amplification Factor 70. Data at www.tubedata.org	GB	5.00 10 @ 4.75 50 @ 4.25
5721	USA or UK manufacture. NOS. A klystron. RK5721.	GVT	60.00
5725 / 6AS6	Mix NOS. Mostly Russian, some USA. All are new, guaranteed. At this price we are not going to sort them. Amazing low price.	OB/WB	2.20 10 @ 1.80 200 @ 1.50
5725 / 6AS6	USA NOS. Tung-Sol, GE & other good USA made brands. Individual guaranteed.	OB/WB	3.00 6 @ 2.10
5726	Please refer to 6AL5		
5744	Please refer to ECC83/5744 for details and price. Hundreds in stock.	GB	
5749 / 5749W	Please refer to 6BA6 for information and stock.	OB	
5749 / 6BA6	Please refer to 6BA6 for information and stock.	OB	
5751	GE or GE with Westinghouse logo. NOS. USA made. 2 mica, grey anode, grey pin. O getter. Tested guaranteed.	OB/WB	33.00
5751	GE green logo USA. NOS. 2 mica, grey anode, grey pin. O getter.	GB	33.00 8 @ 30.00 50 @ 27.50
5751	USA. NOS. 2 mica, grey anode, grey pin. O getter. Not special construction.	OB/WB	33.00
5751	RCA logo USA. NOS. 2 mica, black anode, steel pin. O getter.	OB/WB	33.00 6 @ 30.00
5751	RCA, Sylvania or Westinghouse logo. USA NOS, triple mica. Some black anode. Some gold pin.	OB/WB	66.00
5751	Tung-Sol grey anode, D getter. USA NOS.	OB/WB	2 @ 52.00
5751	Westinghouse logo USA. NOS. 2 mica, grey anode, grey pin. O getter. GE USA made.	WB	30.00 8 @ 27.50 30 @ 22.00

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
5751 Grade One	RCA, Westinghouse or Sylvania. USA made. Triple mica. Some black anode, Grey pin. Some D getter. Test as Grade One.	G1	45.00
5751 USED	Raytheon used, tested. Windmill getter black plate.	GB	40.00
5751 USED	GE logo, USA. Triple mica or 5* logo. Used, tested. Clean.	WB	30.00
5751	Very similar to 12AX7, ECC83, ECC803S . Please see ECC83 .		
5751 / 5744WB	Raytheon, USA, 5744WB. NOS. Mint condition. A wire ended, sub miniature single triode, similar to half of a 5751/12AX7 double triode. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheets5.html These are 5744WB.	GVT	4.00 10 @ 2.50 100 @ 2.20 400 @ 1.20
5751 / 5755	These are 5755 Raytheon logo USA. They test as used (65-75 percent emission approximate) but many look new. 5755 is very similar to 12AX7 / 5751 but different pin out. Popular with our audio customers, KH our client had great audio results with 5755. You can buy adaptors in Asia to convert 5755 into 12AX7. These are bulk pack, egg crate, please add 25p if you require white box.	BP	2.80 10 @ 2.10 100 @ 2.00
5755	420A Western Electric logo. NOS, tested uniform, clean, guaranteed. These are the silver top getter splash version. We might have clear glass version of this tube at higher price. 5755 audio double triode . Will plug in to replace ECC83 using an adapter. 5755 is similar to 12AX7 /6SL7GT, but 5755 has resistance to shock, vibration, and lower microphony.	Blue OB	16.00 4 @ 14.00 300 @ 13.00
5755 / 12AX7	Raytheon logo USA NOS. 5755 is like 12AX7 / 5751 but different pin out. Clean, tested and uniform. Popular with our audio customers, KH our client had great audio results with 5755. You can buy adaptors in Asia to convert 5755 into 12AX7. Special offer prices!	G Box	5.00 5 @ 4.50 200 @ 4.00
5755	Western electric, clear top. When available.	GVT	45.00
5755 USED	420A. Used but most look new . Western Electric logo. Used CLEAN, tested, uniform, guaranteed. Clear top version . 5755 audio double triode plugs in to replace ECC83 using an adapter. 5755 has resistance to shock, vibration, and lower microphony.	OB/WB	22.00 12 @ 18.00
5762 / BR191	RCA, USA. Used, tested at low power only. Guaranteed 90 days. An RF 4KW power triode tube equivalent to BR191.	WB	2 @ 100.00
5763	150 RCA USA, 50 Mullard UK, 40 Brimar UK, NOS with logo. Tested and guaranteed. Some printed CV4039. B9A base audio pentode . Data: Vf=6.3V, If=750Ma, Va=300V, Ik=50Ma. Photo/data www.tubecollector.org/cv4039.htm & http://electronbin.com/sheets5.html	Most OB	4.00 40 @ 3.00 90 @ 2.7 240 @ 2.50
5767	USA NOS. Litton made magnetron. Good quantities in actual physical stock. Please enquire.	Most OB	POA
5783 / 5783WA	CV4066 Mullard & 3 USA brands. All NOS. 20 or 30 pieces of each brand. Partly similar to 85A2.	Most OB	5.50 4 @ 4.50 100 @ 2.00
5802 / ME1401 / CV2269	Please refer to ME1401 equivalent.		
5814 / A	GE, Sylvania, Westinghouse. USA. NOS. Tested with logo and guarantee. Grey anode, O getter.	Most OB	15.00
5814 / A	20 GE, 70 Westinghouse. USA, NOS. Tested with logo and guarantee. Triple mica, grey anode, some are D getter.	OB/WB	20.00
5814A	GE JAN, green logo USA. NOS, tested, guaranteed. Grey anode, O getter. Most made in 1979.	GB	
5814A	GE USA. NOS, tested, guaranteed. Triple mica.	WB	18.00 12 @ 16.00
5814A	Raytheon USA. NOS, tested, guaranteed. Probably 1950s/1960s. Triple mica, black anode, square getter.	OB/WB	
5814A	RCA logo USA. NOS, tested, guaranteed. Triple mica, black anode, square getter.	OB/WB	POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Guide price GBP24 wholesale.		
5814A	RCA logo. NOS, clean, tested and guaranteed. Black anode, O getter. Guide price GBP20 wholesale.	OB/WB	POA
5814A	Sylvania yellow logo, O getter, triple mica, grey plate. USA NOS. Tested with logo and guarantee.	OB/WB	20.00 8 @ 18.00
5814A	Sylvania logo, black anode, D getter. USA NOS. Tested and guaranteed.	OB/WB	22.00 12 @ 20.00
5814A USED	GE, Sylvania, Westinghouse. USA, Tested guaranteed. Most have logo. Most are grey anode, circle getter. Deduct 25p, if you accept in bulk pack, egg crate instead of white box.	WB	7.00 50 @ 5.50
5814A USED	USA. Tested, guaranteed. Triple mica or square getter. Used, tested. Sets of 4 pieces the same appearance.	WB	9.00 36 @ 7.00
5814A	Please see ECC82 .		
5829	CK5829WA Raytheon. USA. NOS. Wire ended flying lead.	Most OB	4.00 10 @ 2.80 100 @ 2.25
5839	Bendix logo USA. NOS. Black anode. Special quality, long life, equivalent to 6X5GT. A set of 2 the same. Equivalent to 5839A and TE-2. 1950s made Full Wave Rectifier. 1 in Military box & 1 WB. Triple mica. Seems to be double D getter.	OB/WB	35.00 2 @ 34.00
5840	Mullard, UK. NOS. CV4501. Plug in replacement for 5840. Originally designed for aerospace, these CV4501 make great microphone pentodes. A sub miniature pentode, wire ended. CV4501 data http://www.tubecollector.org/cv4501.htm 5840 data http://tubedata.itchurch.org/sheets51.html	GVT	5.50 20 @ 4.50 250 @ 4.00
5840	Please refer to 7433 and CV4501 , CV465 , CV9915 for very near equivalent. Or EF72 or 6205 . Several hundred in stock.		
5840 / CV4502	Mullard, UK NOS. These are CV4502, equivalent to EF73 7433 CV466. CV4502 are very similar to 5840 but not exact equivalent. Guaranteed. A 6v sub miniature pentode. Would suit audio compressors. 5840 data http://www.r-type.org/exhib/aab0175.htm CV4502 / CV466 data http://www.r-type.org/exhib/aaa1063.htm More data https://tubedata.itchurch.org/sheets/201/7/7433.pdf	GVT	5.00 10 @ 4.00 100 @ 1.60 1,000 @ 1.25
5842 / PTT141	These are PTT141 Thomson logo, NOS, made in France. Grey pin. Tested guarantee. PTT141 is equivalent to 5842. Data http://tubedata.itchurch.org/sheetsP.html 5842* Refer to A2521 GEC, not equivalent, but good quality low cost alternative*.	OB	20.00 4 @ 15.00
5842 Grade One	USA. Gold pin, Grade 1. Tested guaranteed.	G1	13.00 10 @ 11.00
5842 Grade One	USA. Grey pin, Grade 1. Tested guaranteed.	G1	11.00 10 @ 9.00
5847 / 404A	Westinghouse, USA logo. NOS, grey pin. Potential audio type.	Mostly OB	9.00 36 @ 7.00
5847 / 404A Grade One	Western Electric logo - USA Grade One. Grey pins. Potential audio type.	G1	12.00 5 @ 10.00
5847	Equivalent to E180F which is similar. Mullard, gold pin E180F are plentiful and low cost. 5847 are quite rare.		
5853 / NL5853ST	ITT UK Nixie tube NOS. 1inch/25mm tall, ½ inch/13mm diameter. They read out numbers from 0 - 9.	OBWB	6.00
5866	Please see TB2.5/300 Philips NOS .		
5867	Please see TY4-400 for equivalent.		
5876A	RCA USA, logo. This type is needed in signal generator H.P.608E. These are very clean NOS tubes in original sealed packets with plastic end terminal connectors. Guaranteed. Please note this is not an audio tube.	OB	3.00 100 @ 2.40 1,000 @ 2.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
5879	B9A base audio pentode, RCA, Tung-Sol & other. USA NOS.	Most OB	9.50 30 @ 7.50
5881	BILLINGTON GOLD logo. 12 month guarantee. New tested. Russian.	OB	16.00
5881	Russian, new, tested, guaranteed. Equivalent to 6L6WGC. 6P3S, 6N3CE. Thin base. No logo.	WB	14.00 20 @ 13.00
5881 / 6L6WGB	Sylvania logo, USA made NOS. Tested, guaranteed.	OB/WB	32.00 4 @ 30.00
5881 / 6L6WGB	Tung-Sol logo. Vintage USA. 4 pieces.	WB	48.00 4 @ 42.00
5881 / 6L6WGC Grade One	Tung-Sol logo. Vintage USA made. Sets of 2 pieces identical. Tested as new and look new except the spigot centre pin is missing. The spigot has been replaced by a black "replacement piece", hence low price.	G1	28.00
5881 / 6L6WGC USED	Tung-Sol logo. USA made. These tests around 50 percent emission. This is below usual standard but they're still useful for amplifier repairs and hi-fi repairs.	WB	20.00 8 @ 16.00
5881WXT	Russian. Usually available. GBP19 wholesale price.		POA
5886	Please refer to ME1401 entry. Exact equivalent.	OB/WB	POA
5894A	Refer to QQV06-40A		
5899	Sylvania, Valvo etc. Made in USA or West Europe. Supplied in sets of 6 pieces same brand and appearance. This RF pentode can be used for audio. These are used tested but decent appearance and guaranteed. Free data from the tubedata.itchurch website.	WB	2.00 100 @ 1.50
5899	15 Sylvania, 25 Valvo. Made in West Europe. NOS. Originally an RF pentode, but could be adapted for audio. Data http://tubedata.itchurch.org/sheets51.html	OB/WB	3.00 15 @ 2.75 40 @ 2.50
5902	Raytheon logo USA NOS. Sub miniature audio power amplifier.	WB	4.80 4 @ 4.20 150 @ 3.80
5915	Philips potential audio type. USA, NOS with logo. A pentode or strap it up as a triode. Clean, identical guaranteed. Similar to 6BE6. JAN military issue. A double control heptode. Can be utilised as mixers or frequency changers. Data http://tubedata.itchurch.org/sheets51.html Photo www.tave.co.uk Data Vf = 6.3V, If = 300Ma, Va = 150V, Ik = 20Ma.	GVT	2.50 10 @ 2.20 100 @ 1.80 1000 @ 1.50
5932 Grade One	USA, NOS. Same as 6L6G but has high temperature base. Photo www.r-type.org/exhib/aaa0155.htm . Data: Vh=6.3, Ah=0.9, Va=350, Vs=250, Vg=-18, mAa=54, mAs=2.5, ra=33K, gm=5.2, 11W.	G1	15.00
5933	5933WA NOS, USA made, Sylvania logo. Equivalent to 807. JAN military.	Most GB	15.00 8 @ POA
5933 Grade One	USA brands including Sylvania. Tested as Grade One.	G1	11.00 10 @ 8.00
5949A / TH5059	Thomson France, equivalent to 5949. New/NOS. Tested guaranteed.	OB	150.00
5949 / 5949A	Chinese manufacture. New/NOS. Tested guaranteed.	OB/WB	250.00
5960-99-038-0718	Cathodeon UK new / NOS. Seems to be a storage tube. We can do a limited test, but there is a 12 month guarantee to allow you time for your own testing. 10 pieces in sealed military crates. Near offers/best offers considered.	GVT	1,000.00
5963	RCA made, RCA acid etch grey anode, D getter, foil strip. USA NOS. Tested, guaranteed.	OB/WB	5.00 12 @ 4.00
5963	RCA made, RCA acid etch grey anode, O getter. USA NOS. Tested, guaranteed.	OB/WB	8.00
5963 USED OR G1	RCA made, RCA acid etch grey anode, D getter, foil strip. USA used or Grade 1. Tested, guaranteed.	WB	5.00 12 @ 4.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
5963	Sylvania logo acid etch USA NOS grey anode, O getter. Tested, guaranteed.	OB/WB	7.00 24 @ 6.25
5963	Sylvania logo acid etch USA NOS grey anode, Square or D getter. Tested, guaranteed.	OB/WB	10.00 10 @ 9.00
5963 USED	RCA made, RCA acid etch grey anode, O getter. USA used. Tested, guaranteed.	WB	3.40 16 @ 3.00
5965	Brimar UK NOS with yellow T label. Guide price wholesale GBP15.	OB/WB	POA
5965	USA made NOS with logo. Equivalent 12AV7. GE, RCA, Westinghouse etc. Sets of 5 or 10 of the same brand & same appearance. 5965 has lower mu than 12AX7, 12AT7 or 12AY7 giving cleaner headroom in guitar amps.	Most OB	4.80 20 @ 3.50 150 @ 3.25
5965 Grade One	Brimar UK Grade 1 with white T logo.	G1	7.00
5977 (ECC81)	USA. NOS. Mint. 5977 is a wire ended single triode, similar to half of an ECC81 double Triode.	WB/OB	6.00
5993	Bendix made, USA. NOS. Black anode. Special quality, long life, similar to 6X4 but different pin out.	OB/WB	20.00 5 @ 16.00
5993 USED	Bendix made, USA. Black anode. Used tested. Special quality, similar to 6X4 but different pinout.	WB	10.00 10 @ 8.00
5998	Tung-Sol logo. NOS. Guide price GBP150, wholesale.	OB/WB/GB	POA
5998 USED	Tung-Sol logo USA. Equivalent to 421A. Decent appearance but test only 50 percent emission, which is why they are sold 4 times cheaper than (NOS).Guaranteed. 6 hole anode.ST shape.	WB	40.00
5998A	Sylvania and GE. USA NOS. Tested and guaranteed. GT straight shape.	OB/WB	40.00
6005W	USA, NOS, good stocks exist. Please refer to "6AQ5"		
6012 / C1K	Made in West Europe or USA. NOS. Offers considered. http://tube- data.itchurch.org/sheets62.html	OB/WB	40.00
6014 / C1K	6014 / C1K made in West Europe or USA. NOS. http://tubedata.itchurch.org/sheets62.html	OB/WB	65.00
6021	GE 5 star item USA NOS. Potential audio type.	OB	8.00
6021	6021 = ECC70 = CV3986 Mullard UK logo. NOS. Partly similar to 12AX7. Unused tested guaranteed, but pins are store soiled appear- ance.	Most GB	12.00 30 @ 10.00
6021	Russian NOS equivalent to 6021. Printed [Cyrillic script]. 6N16B NOS, wire ended. Data electronbin.com OR http://audio.ring.lt/pdf/6n16b.pdf . Potential audio type.	WB/OB	3.00 10 @ 2.00 100 @ 1.40
6021	Thomson France NOS. Potential audio type.	OB	5.00 100 @ 4.00 300 @ 3.60 1,000 @ 3.40
6028	Philips logo USA, NOS. Equivalent to WE 408A. Similar to but not same as EF86. 6028 has a B7G base & 20V heater. Replace EF14 with a 6028, plus an adapter etc. Data available. 100 identical.	GVT	5.00 20 @ 2.30 100 @ 2.00
6028/408a	Western Electric USA. NOS.	OB/WB	10.00
6058	CV4025 is superior quality equivalent.		
6060 / ECC81 USED	Brimar logo, UK. Identical to UK ECC81. Tests as used ie 65-75 percent emission. Guarantee and Brimar T label white logo.	BB	8.50 80 @ 6.50
6060	Equivalent to CV4024.		
6072 / A / 12AY7	Please refer to 12AY7. We usually have USA 3 mica, USA 2 mica and Russian.		
6076	These Are Philips QBL5-3500, equivalent to 6076. West European made. NOS guaranteed. A broadcast tetrode. Output Power 2.8 Kw, maximum frequency 220 MHz, Cooling Forced Air, Heater 6.3 V at 32.5 A. Peak Anode Voltage 5.5 Kv.	GVT	250.00 3 @ 240.00
6080	Brimar logo made in USA. NOS tested.	WB	10.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Sets of 16 pieces same appearance.		48 @ 8.00
6080	Brimar logo made in Japan .NOS tested. 4 pieces same appearance.	WB	12.00 4 @ 11.00
6080	Chatham USA NOS. Tested/guaranteed.	OB/WB	100.00
6080	GEC sticker, UK. NOS. Tested as matched pairs. Hurry they sell quickly.	WB	100.00 4 @ 98.00
6080	Haltron logo, believed to be made in USA. NOS tested. Sets of 16 pieces same appearance. Black wafer in base.	WB	5.50 48 @ 4.50
6080	Mullard, logo. UK NOS. 4 pieces look the same.	OB/WB	80.00 4 @ 60.00
6080	Thomson CSF logo, France. NOS. Super quality, guaranteed. Audio double triode. Black plate. A long life, low noise, shock and vibration resistant equivalent to 6AS7G. These have a great dynamic response and a hint of warmth, with excellent deep tonal character. Photo & data on request.	OB	15.00
6080	Tungsol USA. NOS, tested/guaranteed.	OB/WB	50.00
6080	Brimar logo. UK tested, G1. White wafer in base.	OB/WB	11.00
Grade One			
6080	GE USA. Grade 1. Test around 80 percent emission. They are very clean appearance but someone has polished the base so a small amount of copper is showing underneath the chrome plate on the base.	G1	5.00 8 @ 4.00 30 @ 3.50
6080	GEC sticker, UK. Grade 1. Test around 80 percent emission.	G1	75.00 4 @ 60.00
Grade One			
6080	Mullard, logo, UK made. Tests as Grade One. Approx 80 percent emission. Small stain in the glass but decent appearance.	WB	35.00 4 @ 25.00
Grade One			
6080 USED	Beckman USA. Used, tested/guaranteed.	OB/WB	25.00
6080 USED	Brimar logo. UK tested. White wafer in base.	OB/WB	7.00
6080 USED	Chatham USA. Used, tested/guaranteed.	OB/WB	50.00
6080 USED	Mullard, logo, UK made. Used, test around 65 – 75 percent emission. Not new but good print & decent appearance. Some triple mica.	WB	23.00 12 @ 19.00
6080 USED	GEC sticker UK. Used. Tested. Decent appearance, but in many cases the spigot is repaired or missing. NOS item is GBP100, however these used items are bargain price of GBP30.	WB	30.00
6080 USED	Tung-Sol USA. Used, tested/guaranteed.	OB/WB	25.00
6080 USED	USA. Used. These are sold as USED, but most of them test new, or look new. Sets of 4 pieces of the same brand/same appearance. Choose RCA logo or Raytheon logo. Tested and guaranteed.	WB	7.00 4 @ 4.00 60 @ 3.35
6080/ 6080WA	GE USA NOS. Sets of 4 pieces that look Identical. USA, NOS. Tested/guaranteed. These have a great dynamic response and a hint of warmth, with excellent deep tonal character. Long life/high reliability.	WB	10.00 16 @ 9.00 30 @ 8.00
6080 / 6080WA	Mazda logo, white wafer in base. USA, NOS tested, guaranteed. These have a great dynamic. 20 pieces that look identical. A hint of warmth, with excellent deep tonal character. Long life/high reliability.	WB	10.00 20 @ 8.00
6080 / 6080WA	Raytheon logo, black wafer in base. Sets of 4 pieces that look identical. USA, NOS tested, guaranteed. These have a great dynamic response and a hint of warmth, with excellent deep tonal character. Long life/high reliability.	OB/GB	12.00 20 @ 11.00
6080 / 6080WA	Raytheon logo, white wafer in base. Sets of 8 pieces that look identical. USA, NOS tested, guaranteed. These have a great dynamic response. Long life/high reliability.	WB	10.00 20 @ 9.00 50 @ 8.00
6080 / 6080WA	RCA USA NOS. Sets of 4 pieces that look identical. USA, NOS tested/guaranteed. These have a great dynamic response and a hint of warmth, with excellent deep tonal character. Long life/high reliability.	WB	10.00 16 @ 9.00
6080 / 6080WA	Sylvania logo, white wafer in base. USA, NOS tested, guaranteed. These have a great dynamic response and a hint of warmth, with	WB	10.00 16 @ 9.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	excellent deep tonal character. Long life/high reliability.		30 @ 8.00
6080 / 6080WA	Thomson CSF logo, France. NOS. Super quality, guaranteed. Audio double triode. Black anode/black plate. A long life, low noise, shock and vibration resistant equivalent to 6AS7G. These have a great dynamic response and a hint of warmth, with excellent deep tonal character. Photo www.tave.co.uk Data http://electronbin.com/sheets6.html	OB	15.00 30 @ 12.50
6080WC	20 pieces GE & 50 pieces Raytheon. USA, NOS tested with logo. Guaranteed. These have a great dynamic response and a hint of warmth, with excellent deep tonal character. Equivalent to 6AS7G but 6080 has straight GT shape. Long life/high reliability.	Most OB/GB	12.00 50 @ 10.00 70 @ 9.00
6083 / OS51	Please refer to 6083/OS51.		
6083 / OS51	Tungsum = PE1-100 Hungary. High power type. NOS. audio amplifier type. Data: Vf = 12.6V, If = 350Ma, Va = 150V, Ik = 20Ma. Sockets [71CX] in stock. 45 watt anode dissipation, output is almost 200 watts of audio power per pair. Data http://tubedata.itchurch.org/sheetsP.html	OB	22.00 10 @ 20.00
6088	Raytheon - USA. NOS. Audio pentode. Wire ended flying lead. Data: Vf=1.25V, If=20ma, Va=45V. Data/photo: http://frank.pocnet.net/sheets6.html Website page discussing 6088 as audio pentode. http://diyaudioprojects.com/Forum/viewtopic.php?f=10&t=926	GVT	5.00 5 @ 4.50 100 @ 3.60 160 @ 1.60
6094 USED	Bendix logo. Gold pin. USA made. These test used, approximately 65-75 percent emission. Many look near new. Super high quality possible alternative, not equivalent, to EL84. These exquisite audio tubes were manufactured by Bendix Redbank.	WB	12.00 8 @ POA
6098 / 6384	Tung-Sol logo, USA. NOS. These are 6098, similar to 6384, but not the same. Data: http://tubedata.itchurch.org/sheets62.html	OB/WB	30.00
6101	Equivalent to 6J6.		
6106	Bendix NOS. Please refer to 5Y3WGT.		
6111WA	ECG Philips USA. NOS blue print. In sealed military boxes of 100. Made in or around 1986. Low noise alternative to ECC82, with flying leads/wire ended. Guaranteed. Great quality tubes.	OB	7.00 100 @ 6.50 1,000 @ 6.00
6111WA	Philips USA NOS. Slightly similar to ECC82. Socket available from stock, reference 8611. Guaranteed.	OB/WB	8.00 Bulk @ POA
6111WA	Thompson French made, NOS. Slightly similar to ECC82. Guaranteed. Good quality items.	OB	7.50 100 @ 7.00 300 @ 6.50
6112	USA brands NOS, This wire-ended valve has similarities to ECC83. Data on request. Sets of 2 pieces identical.	OB	15.00 10 @ 11.00
6112 / 6948	These 6948 are a ruggedised, low noise, version of 6112. JAN Sylvania, USA NOS. This sub miniature double triode has similarities to ECC83. Data on request. Great quality, suits microphones, effects pedals etc. An upgrade for 6112 in musical fidelity amps.	OB	5.00 10 @ 4.50 75 @ 4.00
6115	USA NOS Raytheon, JAN, Klystron. Data www.tubedata.org	GB	180.00 5 @ 170.00 50 @ POA
6115A	Raytheon, JAN, Klystron. USA. NOS. Data www.tubedata.org	GB	120.00 30 @ 110.00
6132	Equivalent to CV4055.		
6146	GE, RCA, Raytheon and Sylvania. NOS with logo, clean, tested and guaranteed. Sets of 2 or 4 pieces identical. Matched pairs should be no problem. 16 pieces unchanged.	OB/WB	18.00 8 @ 15.00
6146 USED	GE, RCA, Raytheon & Sylvania. Used with logo, clean, tested and guaranteed. Sets of 2 or 4 pieces identical.	OB/WB	11.00 8 @ POA
6146A	Raytheon, RCA, Sylvania, USA. NOS. Tested with guarantee and most with logo. 36 pieces unchanged.	GVT	18.00 12 @ POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
6146A USED	Raytheon, RCA & Sylvania, USA. Used. Tested with guarantee and most with logo.	OB/WB	11.00 8 @ POA
6146B	Chinese NOS, tested. Guarantee 90 days from dispatch date. Match pairs etc on request. Customer feedback indicates this 6146B is good quality and suitable to replace the rare Japanese S2001A equivalent tube, and suitable for Yaesu Kenwood equipment.	WB	19.00 20 @ 18.00
6146B	USA NOS. Tested and guaranteed, most with logo. 2 of this brand, 2 of that brand. RCA Sylvania Westinghouse etc.	OB/WB	29.00
6146B USED	USA/Holland. Used, tested and guaranteed, most with logo. 2 of this brand, 2 of that brand. Amperex, RCA, Sylvania, Westinghouse etc.	OB/WB	11.50 8 @ 11.00
6146W USED	USA including Sylvania logo and RCA logo.	OB/WB	11.00 Bulk @ POA
6147	Audio sub miniature pentode, wire ended. Raytheon USA NOS. Data http://electronbin.com/sheets6.html	OB/WB	5.00 40 @ 4.00
6155	West European and equivalents. QB3-300 Siemens RS1007, QY3-125. Refer to CV2130 entry in this list for more info. 20 pieces.	Most GVT	38.00 20 @ POA
6155	Equivalent to CV2130 and 4-125A .		
6156	West European made EEV NOS including C1112 equivalent.	GVT	45.00
6159 / A / B	USA manufacture including Sylvania.	OB/WB	8.25
6189	Sylvania, GE, RCA USA. NOS. Supplied in sets of 10 pieces identical appearance.	Most OB	13.00 10 @ POA
6189	Triple mica . Sylvania, GE, RCA, USA. NOS. Supplied in sets of 4 pieces identical appearance.	OB/WB	16.00 10 @ POA
6189 Grade One	Sylvania logo USA made. All identical appearance . All decent appearance. Plug in replacement for ECC82. Tested as Grade 1, ie minimum 80 percent emission. Working, guaranteed.	G1	9.00 20 @ POA
6189 USED	Mix USA includes Sylvania logo USA made. Mostly identical appearance, but print style may vary. Ring getter, grey anode, 2 mica . All decent appearance. Plug in replacement for ECC82. Tested as used working, guaranteed.	Plain WB	6.00 10 @ POA
6189	Equivalent to 12AU7 , CV4003 and ECC82 .		
6201	GE, green 5 star logo ***** USA. NOS. Tested with guarantee, the acid etch is "6201". Polystyrene military box.	Poly GB	12.00 25 @ 8.00 100 @ 7.00
6201	Sylvania logo, grey anode, 3 mica. NOS. USA made. The acid etch is "6201".	OB/WB	12.00 10 @ 11.00 40 @ 10.00
6201	Westinghouse logo USA NOS. Tested with guarantee, acid etch is "6201". Triple mica. D getter, black anode.	OB/WB	15.00 10 @ 13.00
6201 Grade One	GE black anode, 3 mica. Test as grade 1. Small stains due to light usage. USA made. The acid etch is "6201".	G1	9.00 10 @ 8.00 30 @ 7.00
6201	Please refer to ECC81 / 12AT7WC GE green logo. NOS.		
6201	Please refer to ECC81 section on another page. Several interesting brands, listed, including ECC81/6201/12AT7WC.		
6202 / 6X4	USA. NOS. These 6202 are near equivalent to 6X4. 6202 have maximum output 50ma. 6x4 output is 70ma. Tested and guaranteed. GE, RCA, Sylvania, Westinghouse. These are 6202 tubes. Most have logo. Near equivalent to 6X4. Data on request.	WB	6.00 20 @ 5.00 50 @ POA
6203 / 6X4	USA NOS with logo, tested and guaranteed. 50 pieces of each brand: GE, RCA, Sylvania, Westinghouse. These are 6203 tubes. 6203 is a ruggedised, B9A base 6X4. 6203 heater current is 900ma, 9 pin base. 6X4 heater current is 600mA, 7 pin base. These are 6203.	Most GB	5.00 5 @ 2.67 200 @ 2.50
6205	Philips USA made NOS. A 6v sub miniature pentode.	GVT	5.00

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
	Would suit audio compressors.		10 @ 4.00 100 @ 1.60
6205	USA NOS. High shock version of 5840. The suppressor (G3) comes out on a separate lead (can be tied to cathode, earth or a DC voltage).	GVT	POA
6211	Mullard UK, NOS. Similar to E80CC & ECC82 although not exact equivalents.	OB	45.00 4 @ 40.00
6211	Telefunken logo, West German. NOS. <> , grey pins. Similar to E80CC, ECC82 although not exact equivalent.	Most OB	100.00
6211	Telefunken logo, West German. Unused and working but test around 65- 75 percent emission, below NOS standard. Grey pins with diamond <> .	Most OB	60.00 4 @ 55.00
6211	Telefunken logo, West German. NOS. <> , gold pins. Similar to E80CC, ECC82 although not exact equivalents. 1 or 2 only.	OB	280.00
6211	GE, Westinghouse and Hewlett - USA NOS. Grey pin. High quality audio double triode similar to E80CC.	OB/WB	6.00 10 @ 5.00 30 @ 4.00
6211A	Equivalent to 6211. Raytheon logo. USA. NOS. Grey pin. Square getter plate. Side getter.	OB/WB	8.00 10 @ 7.00
6216	200 x GE, 100 x Sylvania, USA NOS with guarantee. These are B9A base 6216, audio pentode with SOME similarities to EL84. EL84: Vf=6.3V, If=760Ma, Va=300V, Ik=65Ma, S=11Ma/V, Pa=12W 6216: Vf=6.3V, If=1000Ma, Va=140V, Ik=70Ma, S=12Ma/V, Pa=10W. More data www.tubedata.org	Mostly OB	4.00 6 @ 3.50 300 @ 2.22
6240G	USA. NOS. Brand to be advised. 2 pieces same appearance. Tested guaranteed. Audio double triode. Price is per tube .Near offers considered.	WB	205.00 2 @ 200.00
6267	Equivalent to EF86 .		
6278	USA. NOS. We cannot test this Xenon thyatron, but it's guaranteed 90 days from dispatch. Equivalent to C5F14 .	OB/WB	20.00
6278	Xenon triode thyatron, 500v PIV, 5A. Filament: Vf 14 Volts, If 2 Amps. Maybe equivalent to a C5F14.	OB/WB	25.00
6293	USA NOS. Pulse rated version of 6146B. 2 extra cathode connections at pins 4 and 6.	OB/WB	20.00
6336 / A	All USA made. NOS. 3 electrical match pairs but 6 different brands, none are 2 of the same appearance.	OB/WB	35.00 6 @ 30.00
6336A	Cetron/Raytheon/Westinghouse USA.	G1	27.00
Grade One	Sets of 2 identical. Test as Grade One. Look decent but not new.		4 @ 24.00
6336A USED	Cetron/Raytheon/Westinghouse/Tung-Sol 1960 USA. Sets of 2 pieces identical. Look clean but tests used. Guaranteed.	OB	19.50
6336A / 6528	Tung-Sol/Raytheon USA made. Tested to grade one standard. Guaranteed. These are 6528, which is very similar to 6336A but 6528 has higher gm 37,000 and mu of 9.	G1	27.00 10 @ 21.00
Grade One			
6336B	Pinnacle logo. USA made NOS. Sets of 2 identical.	OB	34.00 6 @ 32.00
6350	RCA logo, USA NOS. Super quality. B9A base. Double triode, similarities to 6SN7, 6CG7, ECC82, ECC88. Adapters can be found on the Internet to convert 6350 into 6SN7, ECC88, etc. Data/photo http://electronbin.com/sheets6.html	OB	18.00 25 @ 13.00
6350	RCA logo, triple mica, some are D getter. USA NOS. Super quality. B9A base. Double triode, similarities to 6SN7, 6CG7, ECC82, ECC88. Adapters can be found on the Internet to convert 6350 into 6SN7, ECC88, etc. Data/photo http://electronbin.com/sheets6.html	Most OB	21.00 35 @ 16.00
6350	Sylvania logo, D getter, USA NOS. B9A base. Adapters can be found on the Internet to convert 6350 into 6SN7, ECC88, ECC82. Data in 6350 RCA section above.	Yellow OB	20.50 24 @ 18.00
6350	Sylvania logo, USA NOS. B9A base.	Yellow	10.50

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Adapters can be found on the Internet to convert 6350 into 6SN7, ECC88, ECC82.	OB	40 @ 8.00 100 @ 7.25
6350 Grade One	RCA logo, USA. Tests as Grade One.	G1	11.00
6350 Grade One	Sylvania logo, USA. Grade One. Many look new, or test new, but they are sold as grade one, meaning best quality used item. Data http://electronbin.com/sheets6.html B9A base, similarities to 6SN7, 6CG7, ECC82, ECC88. Adapters can be found on the Internet to convert 6350 into 6SN7, ECC88.	G1	7.50
6350 USED	RCA logo, USA NOS. Data above. RCA acid etches. Used but most look unused and test around 70 percent emission. B9A base. Similarities to 6SN7, 6CG7, ECC82, ECC88. Adapters can be found on the Internet to convert 6350 into 6SN7, ECC88.	OB	7.50
6351 / Z319	CV2276. GEC sticker. Or EMI UK NOS. A high gain B9A secondary emission pentode. Data www.r-type.org/exhib/aai0023.htm .	Mostly GVT	4.50
6360	Refer to equivalent to QQV03-10 .		
6384	Bendix USA, 1 only. Similar to 6AR6 but not identical.	WB	50.00
6384 Grade One	Bendix USA made, but the logo is Tung-Sol, or Cetron. Maybe unused, but sold at grade one price. There is discolouration on the base due to the long-time storage. Tested working and guaranteed. Sets of 2 pieces identical appearance.	G1	32.00 8 @ 27.00
6386	USA, NOS. Rare but usually in stock. Tested, guaranteed. Suitable for Gates recording and mastering audio compressor. 2 pieces GE in stock as of 18.11.21.	OB/WB	320.00 2 @ 300.00
6386 Grade One	USA tested with guarantee. Mixed brands.	WB	65.00 2 @ 60.00
6414	GE, Sylvania & Raytheon USA. NOS. Audio type. 20 pieces might exist.	OB/WB	9.50
6414 USED	GE, Sylvania & Raytheon USA. Used, tested. Audio type.	WB	5.00 30 @ 3.50
6418	Raytheon USA.	GVT	6.00
6442	USA NOS. Tested.	OB/WB	30.00
6442	Surplus untested but guaranteed.	OB/WB	POA 30 @ POA
6463	GE 5 Star logo, USA NOS.	GB	16.50 5 @ 15.00
6463	GE logo, USA NOS.	Most GB	6.50 60 @ 5.75
6463	Telefunken logo West German (NOS) diamond mark <>. All look the same.	OB	70.00 16 @ 62.50
6476A	Or CK6476 Sylvania logo, or Raytheon logo USA NOS NIB. Dekatron. Data/photos www.tubetester.com/sites/nixie/datdekat/6476_sylv/6476_sylv.htm	OB	20.00 25 @ 16.00
6481	USA NOS. Litton made, in actual physical stock. Please enquire.	Most OB	POA
6485	Audio tube. A high quality equivalent to 6AH6. GE /other USA NOS.	OB/WB	5.00
6528A	North American manufacture.	OB/WB	35.00
6550	Sylvania logo USA NOS. 3 pieces look the same. GT shape. NOS tube, BUT the getter is a little bit imperfect hence reduced price.	OB/WB	75.00 3 @ 65.00
6550	Tung-Sol logo, USA NOS. Shoulder shape. Guide price GBP250 wholesale.	WB	POA
6550	GE USA, NOS. GT straight shape. 4 pieces. A match quad, electrically and physically. Guide price GBP120.00 wholesale if available.	OB/WB	POA
6550 USED	Tung-Sol logo. Vintage USA made. Used, not good appearance. Test around 50 or 60 percent, hence reduced price.	WB	75.00 2 @ POA

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
6550A	BILLINGTON GOLD, Chinese. Tested with logo & guarantee. Some years ago, Glass audio magazine said 6550 Chinese produce a stable great sound, handle higher anode voltage and perform well. Voted better than a Tung-Sol USA tube!	OB	22.00
6550A	Chinese. Straight shape. New tested guaranteed. Printed "6550A 6550B".	WB	20.00 30 @ 18.00
6550A USED	6550A GE, USA made. GT shape. Used tested guaranteed.	OB	40.00 4 @ 35.00
6550B-3	These are Svetlana C logo 6550-B3, only printed 6550B3. NOS. Near equivalent to 6550/WB. Zirconium getter and clear glass.	WB	25.00
6550C	In most cases 6550A BILLINGTON GOLD or KT88 BILLINGTON GOLD will be a suitable alternative. Check with your amplifier maker.	WB	POA
6550C	Svetlana, made approx 1997. "S" logo. Russian NOS.	WB	30.00 4 @ 25.00
6550C	Svetlana C logo. Russian. NOS. Made in St. Petersburg, Russia. Perfect for guitar amps and hi-fi. Tested guaranteed. This type not made since 2011. Very rare.	OB/WB	88.00 4 @ 85.00
6550C USED	Svetlana C logo. Used tested guaranteed. Decent appearance, not new appearance Russian. Made in St. Petersburg, Russia. Perfect for guitar amps and hi-fi. Tested guaranteed. This type not made since 2011. Very rare.	OB/WB	44.00 4 @ 40.00
6550C / 6550B	These are 6550B Svetlana "S" logo style. NOS. No longer made. Rare! 6550B was the forerunner of 6550C. Data on request.	OB/WB	15.00 4 @ 14.00
6550WE	Sovtek new tested. Great for guitar amps and hi-fi. Guaranteed.	OB/WB	25.00
6550WE	Sovtek logo. Russian. NOS. Perfect for guitar amps and hi-fi. Tested guaranteed. Match pairs possible for a small extra fee.	WB	21.50 8 @ 20.50
6611	Mullard, UK/Holland CV2371. Equivalent to DF61. NOS, clean, guaranteed. Wire-ended sub miniature pentode. Low voltage sub miniature broadband pentode. Could operate directly off 48 volt phantom power supply lines. Heater is only 20Ma and can be supplied from an ordinary dry cell battery. Data: Vf=1.25V, If=20Ma, Va=30V, Ik=1Ma, S=1Ma/V. Similar to 1AH4 and 2E32. Possible audio type, see Glass Audio magazine 1999. Data http://tubedata.itchurch.org/sheets6.html	GVT	3.00 15 @ 1.80 1,000 @ 1.20
6611	Equivalent to DF61.		
6688	Equivalent to CV3998 and E180F.		
6777	ITT USA, clean NOS. Mostly 1980s made. Guaranteed 12 months from dispatch date.	GB	70.00 20 @ 55.00
6829	CK6829 USA NOS. B9A base. Audio double triode similar to E180CC. NOS, tested guaranteed. Data in other 6829 section, below.	OB	7.00 10 @ POA
6829 USED	GE or Raytheon, USA. Equivalent to CK6829. B9A base. Audio double triode similar to E180CC. Used, tested and guaranteed. 6829: Vf=6.3V, If=450ma, Va=330V, If=16Ma, S=11Ma/V, Pa=4.5W. E180CC: Vf=6.3V, If=400ma, Va=150V, If=20Ma, S=7.8Ma/V, Pa=2W Data/curves http://scottbecker.net/tube/sheet/138/6/6829 .pdf	WB	3.00 6 @ 2.00 100 @ 1.75
6829	Equivalent to E180CC.		
6870	Brimar T logo, UK. NOS. RF pentode.	OB	7.50 20 @ 6.00
6883B	GE, RCA, Westinghouse, USA with logo. NOS. Audio type. Similar to 6146 but 12V heater for mobile use. Octal base, clean, tested and guarantee. Data: Vf=12.6V, If=562Ma.	OB/WB	10.00 30 @ 7.50
6883B / YL371	These are YL1371 Philips Holland logo. NOS. Audio type. Equivalent to 6883B. Similar to 6146B but 12V heater for mobile use. Data www.radiomuseum.org/tubes/tube_yl1371.html		10.00 25 @ 7.50
6900	Tung-Sol logo. Gold pin. Sometimes available. Ask Martin personally. 4 pieces.	OB	4 @ POA
6922	Amperex USA NOS. Gold pin. O getter.	OB/WB	100.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
6922	Amperex USA NOS. Gold pin. D getter.	OB/WB	150.00
6922	Electro Harmonix logo. Gold pin.	WB	15.00
6922	Electro Harmonix, Russian. Same construction as the popular Sovtek 6922. New, tested/guaranteed.	OB/WB	13.00
6922	Philips ECG logo, USA made. NOS. Similar to E88CC, ECC88 and 6DJ8. NOS, uniform and clean. Jan military specification.	GVT	20.00
6922	Sovtek Russian. New, tested/guaranteed. SOME have Sovtek logo. 10 only.	WB	13.00 10 @ 12.00
6922	Sylvania logo, USA made. NOS. Similar to E88CC, ECC88 and 6DJ8. NOS, uniform and clean. Enquire about discount on bulk quantities.	Most OB	20.00
6922	RCA, USA made. NOS. Hurry before they are sold out.	GVT	25.00
6922	Raytheon logo, USA. NOS, tested, guarantee and uniform.	GVT	25.00
6922	Sylvania logo, USA. NOS, tested, guarantee and uniform.	GVT	15.00
6922	Please refer to equivalent ECC88 for other brands.		
6922	Amperex USA. Gold pin. D getter. G1.	OB/WB	110.00
Grade One			
6922	Amperex USA. Gold pin. O getter. G1.	OB/WB	75.00
Grade One			
6922 USED	Amperex USA gold pin. Amperex white logo, believed to be 1960s made. Very rare. Used and tested.	WB	50.00 2 @ 45.00
6922 USED	Sylvania logo. USA made. Similar to E88CC, ECC88 and 6DJ8. Tested as Used. 65 -75 percent emission. Uniform and clean. 40 pieces identical.	Most OB	6.00 40 @ POA
6922 / ECC88	BILLINGTON GOLD, Slovakia, grey pins. With guarantee.	OB	10.00
6922 / 6H23N/ ECC88	Sold out. Please enquire.		POA
6939	Please refer to QQV02- 6 equivalent.		
6973 / 6DW5	These are 6DW5, B9A base. Sylvania USA NOS, printed Sylvania or Bogen. 6DW5 would replace 6973 but would need rebiasing B9A base. Audio pentode. Data http://electronbin.com/sheets64.html	WB	6.20 50 @ 4.00
6973 / 6EM5	RCA, Sylvania and Westinghouse, USA NOS with logo. Similarities to 6973 but not equivalent. 6973: Vf=6.3V, If=450ma, Va=250V, If=46Ma, S=4.8Ma/V, Pa=12W. 6EM5: Vf=6.3V, If=800ma, Va=250V, If=35Ma, S=5.1Ma/V, Pa=10W. More data http://frank.pocnet.net	Mostly OB	7.00 20 @ 4.00 70 @ 3.50
6973 / 6GZ5	These 6GZ5 are similar to 6973 but not equivalent.	Mostly OB	3.00
6973	USA NOS, genuine version with acid etch. 4 RCA. Tested guaranteed with logo.	OB	50.00 8 @ 42.00
6973	Thermionic brand, USA manufacture. NOS. Not acid etch version.	OB/WB	10.00
6975	Thomson, made in France and other NOS manufacturers. Clean with guarantee.	OB/GVT	52.00 10 @ 50.00
6977	Miniature tuning indicator. Please refer to DM160.	OB	300 @ POA
7003 / ML7003	USA made, Matchelett or similar. New service. Approximately 10 or 20 years old. Tested. With guarantee.	GVT	4,000.00
7025	4 RCA, 4 Sylvania. USA, NOS with logo. These are actual acid etch 7025.	Most OB	65.00 8 @ 55.00
7025 USED	5 RCA, 6 Sylvania. USA, used tested around 65 percent emission with logo. Guaranteed. These are actual acid etch 7025.	WB	30.00 5 @ 27.00 11 @ 25.00
7025	Equivalent to 12AX7 and ECC83 .		
7027A	JJ Slovakia, JJ logo.	OB	22.00
7027A	USA NOS, enquire for actual quantity.	OB/WB	235.00
7044	GE green logo, USA, NOS logo. Tested. Has some similarity to 5687 and Mullard E182CC. Military box.	GB	26.00 20 @ 25.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
			100 @ 24.00
7062	Please refer to E180CC.		
7077	GE USA. NOS.	OB/WB	11.00
			20 @ 9.50
7092	Equivalent to TB5/2500 = RS1046 = 3C/800E = B1153 = TB5-2500./Chinese new tested, guaranteed.	OB/WB	275.00
7119	Equivalent to E182CC.		
7189	RCA logo and Sylvania logo. USA NOS. Usually available.	OB	35.00
7189A	Please use EL84 Billington Gold equivalent. Small quantity of 7189A USA sometimes available.		
7193	or 2C22 USA NOS. Audio type, like 6J5GT but different pin out. Data vf=6.3v, if=300ma, va=300v, ik=11ma, s=3ma/v, pa=3.3w.	GVT	5.00
			80 @ 4.00
7199	RCA logo USA NOS. Tested guaranteed.	OB	42.00
			5 @ 37.5
7199 / 6AU8A	These are 6AU8A. NOS. GE, Sylvania, Tung-Sol, USA. Most have logo. You can buy on the Internet, adapters to convert 6AU8A into 7199. Photo www.tave.co.uk . Data http://electronbin.com/sheets62.html	GVT	3.00
			10 @ 2.20
			400 @ 1.80
7199 / 6GH8A	USA NOS with logo. Approximately 30 of each brand Zenith, GE, Sylvania and ECG. These are 6GH8A triode pentodes. They can work as a substitute for the rare 7199 by adding an adaptor that is sold in USA. Data for both types at http://scottbecker.net/tube/index.html	OB	3.00
			10 @ 2.20
			400 @ 1.80
7199 USED	USA including RCA and Westinghouse. Used, test approximately 65-75 percent emission. 3 month guarantee.	WB	21.00
7233	RCA, Sylvania or Raytheon logo. USA made. NOS, few only. Rare item.	OB/WB	25.00
7236	Sylvania logo. USA NOS. When available – very rare.	OB/WB	POA
7247 / 12DW7	NOS. USA includes RCA.	OB/WB	19.00
7247 / 12DW7	NOS. Mullard UK.	OB/WB	40.00
7247 / 12DW7	NOS. Telefunken.	OB/WB	POA
7289	Please refer to 2C39 .		
7308	E188CC. USA NOS.	Most OB	POA
7308	Refer to 6922 E88CC, near equivalent.		
7308 USED	Amperex, USA gold pin. White print, believed to be 1960s made. PQ version. Very rare. Test as used.	WB	60.00
7308 / E188CC USED	These are 7308 Sylvania USA. Grey pin, green logo. Sold as USED, but many look or test as nearly new.	WB	22.00
			6 @ 18.00
7327	Sylvania + other USA NOS.	OB/WB	6.25
7355	RCA, Sylvania or Raytheon logo. USA made. NOS, these are partly similar to EL34 but not equivalent.	OB/WB	23.00
			4 @ 20.00
7360	RCA logo, USA. NOS.	OB	36.00
7370	RCA, Sylvania or Raytheon logo. USA made. NOS, these 7370 are very similar to 5687 but 7370 have higher anode current.	OB	6.00
			30 @ 5.00
7432	Equivalent to EF72, CV465, CV4501 and 5840. These are Mullard, UK / Holland. Superior quality to 5840 USA made. You will receive Mullard, UK CV465 or CV4501. NOS. A sub miniature pentode, wire ended. 500 pieces. EF72 data: Vf=6.3V, If=150Ma. Data/photo http://www.r-type.org/exhib/aab0174.htm http://tubedata.itchurch.org/sheetsE2.html	GVT	5.50
			20 @ 4.50
			250 @ 4.00
7433 / CV466	Please refer to entry "5840/CV4502", approx page 70, for stock/prices.		
7435 / 6AL5	Bargain price audio diode! Mullard, UK CV4504 equivalent to EA76 and 7435 & 2S-141G. NOS, clean and guaranteed. Similar to half of an EB91 diode. They handle approximately 10Ma DC so can be used in pre-amp and tube pedal power supplies. Near offers considered. Data www.tubecollector.org/cv4504.htm , or http://tubedata.itchurch.org/sheetsE.html	GVT	2.30
			10 @ 1.00
			100 @ 0.85
			4,000 @ 0.60

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Photos/data www.r-type.org/exhib/aaa1300.htm		
7534	Please refer to E130L, in stock.		
7581A	ECG Philips logo. USA NOS. 4 pieces look the same. Matched pairs may be possible. Very attractive appearance. Also 2 pieces GE NOS A7581 at the same price.	OB	85.00 4 @ 80.00
7581A	NOS GE / other USA. An uprated substitute for 6L6GC. 2 of the same appearance. Electrical match pair, maybe possible for small extra fee.	OB	65.00 2 @ 60.00
7581A USED	USA brands including GE. Used, tested and guaranteed. Decent appearance.	WB	32.00 4 @ 30.00
7581A	Equivalent to 6L6GC and 5881 .		
7586	RCA, USA. NOS, clean, uniform. Guarantee. Audio type. Data: Vf=6.3V, If=135Ma, Va=110V, Ik=15Ma, S=11Ma/V, Pa=1W. Many audio applications, including microphones, eg AKG C12B, Philips LBB9060. Photo www.tave.co.uk	OB/WB	12.00 8 @ 9.00 40 @ 8.00
7586 Grade One	Mostly RCA, plus other USA made. A few Hitachi Japan. Refer to 7586 NOS paragraph, for audio applications. Do not look new but decent appearance. Tested and guaranteed.	G1	3.50 50 @ 3.00
7587	40 Sylvania, 40 RCA. USA. NOS, clean, uniform and guarantee. Audio Nuvistor. Sockets to fit from stock. Potential audio type. Might suit microphones. Data http://tubedata.itchurch.org/sheets71.html Data: Vf=6.3V, If=150Ma, Va=125V, Ik=10Ma, S=10Ma/V, Pa=2.2W	OB/GVT	6.00 5 @ 5.00 80 @ 4.50
7591A	Amperex logo. USA made. NOS. 4 pieces of the same appearance. A tiny amount of glue on the base. But this makes no difference. Everything is in good order. The glass tube is the correct height. The acid etch is missing but they are NOS, testing working perfectly, today.	OB	36.00 4 @ 30.00
7591A	USA made. NOS. Glass, genuine item. In sets of 2 pieces the same appearance. Usually available.	OB/WB	36.00
7591A	USA made. NOS. Glass, genuine article. GE, RCA etc. These are singles not 2 of the same appearance. Hence reduced price.	OB/WB	30.00
7591A USED	USA made. Glass. The original article. GE RCA etc. Used, not new, but tested, guaranteed. 2 pieces of the same appearance.	WB	15.00
7591A Replacement	USA made. This plug in replacement is a 6GM5 or 7868 plus base adapter, fits all 7591A sockets, with no electronic alterations necessary. NOS. Tested, guaranteed.	WB	26.00
7609 Grade One	Eimac USA. Eimac logo, clean and guaranteed. These are a possible alternative, not equivalent to 4CX250B, but the 7609 have a 26.5v filament. Super low cost! Not of new appearance but are very clean. Tested as Grade One.	G1	24.00 100 @ 15.00
7643 / ECF80	Refer to E80CF.		
7643	Refer to E80CF.		
7687	Sylvania logo USA NOS. Similar to 7199 but different pin out. Data on request.	OB/WB	20.00 10 @ 16.00
7815 USED	or ML7815 . USA made, brands include Eimac and Matchelett. Used ex-equipment pulls. Tested and guaranteed. Good appearance for a USED tube.	WB	8.00 100 @ 6.00 or offer
7815AL	USA NOS. Brands include Eimac.	OB/WB	80.00 35 @ 60.00
7815R	USA. Brands including Eimac.	OB/WB	80.00 17 @ POA
7868	USA. NOS. Pentode for juke boxes, etc. Most are Sylvania logo.	WB	35.00 4 @ 30.00
7868 Grade One	USA Grade One. Doesn't look new, looks decent. Tested around 80 percent emission approx and guaranteed. Sylvania, Raytheon etc. Sets of 2 the same appearance.	G1	26.00 8 @ 20.00
7868 USED	Tested as used. Guaranteed. USA Westinghouse etc.	WB	18.00

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
			20 @ 14.00
7895	USA brands, including Philips. Equivalent to 7586 but higher mu.	OB/WB	7.50 15 @ 5.00
7979	Raytheon logo, USA NOS. Flying lead, wire ended Philips. Data http://tubedata.itchurch.org/sheets71.html Photo www.tave.co.uk	GVT	10.00 10 @ 7.00 1,500 @ 6.00
8003	Please refer to equivalent, in stock, 2J-211-H.		
8005	RCA logo, 2 pcs same appearance. USA NOS. Tested, guaranteed.	OB	110.00 2 @ 105.00
8005 Grade One	Audio triode, 10v heater, 75w anode. USA, tested, used. Don't look new, but look decent. 2 pieces RCA, 2 pieces of the same appearance. Data http://electronbin.com/sheets8.html	Old OB	80.00 2 @ 75.00
8020	Mixed brands. Mostly USA. Details of brands on request. NOS. Tested and guaranteed. Offers considered if you take all of them.	OB/WB	32.00 15 @ 30.00
8020W	USA, NOS.	OB/WB	30.00
8056	50 RCA. USA. NOS, guaranteed Audio Nuvistor. Sockets to fit from stock. Data http://electronbin.com/sheets8.html	OB/GVT	4.00 5 @ 4.00 30 @ 3.50
8058	RCA. USA. NOS, guaranteed Audio Nuvistor. Data http://electronbin.com/sheets8.html	OB/WB	12.00 16 @ 11.00
8068	GE or Raytheon, USA NOS.	OB	40.00
8068 Grade One	GE or Westinghouse logo USA made. Tests as Grade One at 80 percent emission. Guaranteed.	G1	20.00 20 @ 16.00
8082	GE USA. Potential audio type. Data: Vf = 6.3V, If = 240Ma, Va = 150V, Ik = 7.5 Ma, S = 10.5Ma/V, Pa = 1W. More data from GE "essential" book or our office. Photo www.tave.co.uk soon.	GB	30.00 4 @ 27.50
8083	GE USA. Potential audio type. Low noise amplifiers. Socket-less Ceramic Planar Triode – terminals are 'Lug' type for direct soldering. Data: Vf = 6.3V, If = 240Ma, Va = 150V, Ik = 7.5 Ma, S = 10.5Ma/V, Pa = 1.1W. More data from GE orange data book, or our office and at http://frank.pocnet.net/other/GeneralElectric/GE_CeramicTubes.pdf	GB	30.00 4 @ 27.50 35 @ 24.00
8102	Hundreds of UK or USA NOS in stock.	Mostly GVT	1.00 100 @ 0.70
8121	USA NOS.	OB/WB	50.00
8203	These 8203 are similar to 6CW4. USA made. Suitable for audio tuners. Similar to 6CW4 but has different pin out. All other data identical. Data filament 6V at 0.16 Amps, Ia=7Ma, Gm=6Ma/V. More data free on request.	OB/WB	12.00 4 @ 11.00 16 @ 10.00
8203 Grade 1	These 8203 are similar to 6CW4. USA made. Not new, but tested & decent appearance. Suitable for audio tuners. Similar to 6CW4 but has different pin out. All other data identical. Data filament 6V at 0.16 Amps, Ia=7Ma, Gm=6Ma/V. More data free on request.	G1	9.00 4 @ 8.00 100 @ 6.00
8233	Equivalent to E55L .		
8255	Refer to E88C .		
8393 / 7586	These 8393 are a 13v heater version of the 7586 Nuvistor. USA. NOS, clean, uniform. Guarantee. Audio type. These are 8393 13v heater. Data www.tubecollector.org/8393.htm	Most OB	8.00 15 @ 7.00
8416 Grade One	Amperex USA. Used not new but very clean, but tested to Grade One standard. Guaranteed. 2 pieces look the same.	G1	20.00
8417	Guide price, NOS GBP100 wholesale, (used version, half this price).	OB/WB	POA
8417	If you are an experienced technician, you may be able to change capacitors and circuit, to use 6Y6G KT88 in place of 8417. Data www.tave.co.uk	OB/WB	POA
8417 / 6GB8	6GB8 usually replace 8417. For data please enquire. 6GB8 listed elsewhere in this catalogue.	OB	75.00 4 @ 60.00

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
8493	ITT USA NOS guaranteed. Available from our supplier.	GB	POA
8503	EEV, UK CV6022. NOS and tested with guarantee.	GVT	400.00
8533	Matchlet and other USA. NOS. Tested and very clean with 12 months guarantee.	OB	150.00
8552	Raytheon logo USA, NOS. like 6146b but not equivalent. Data www.tubedata.org	GB	10.00 40 @ 7.50
8560A	Eimac USA NOS. 6 month's guarantee.	GVT	66.00 5 @ 60.00
8608	Mullard, logo, UK / Holland NOS. This is a gold pin audio pentode, the same as E55L except that these 8608 have the anode connected to the top cap. Some similarities to EL34 but has a slope of 45Ma/V. B9D socket to fit from stock. Data www.tubedata.org	GVT	POA
8608 USED	Mullard/Amperex Holland. This is a gold pin audio pentode, the same as E55L except that these 8608 have the anode connected to the top cap. Used and tested. Refer to data & comments under 8608 NOS above.	WB	12.00 6 @ 10.00
8613	Thyratron ITT tube. NOS, 12 months guarantee. Several in stock.	GVT	350.00 6 @ 300.00
8745	Eimac / GE USA. Guaranteed.	GVT/WB	80.00
9002	RCA logo, USA. NOS. Audio type similar to 6J5G but 9002 has B7G base. Data http://tubedata.itchurch.org/sheets9.html X 160	Most OB	4.00 50 @ 3.50
9004	Various brands USA manufacture.	GVT	4.00 100 @ 3.20
9006	RCA, USA. NOS. Data http://tubedata.itchurch.org/sheets9.html	OB	3.00 6 @ 2.50 140 @ 2.00
13971	GE USA. Planar Triode. NOS. Contact us for data, or click the word "13971" at this link www.mif.pg.gda.pl/cgi-bin/vs4.pl .	OB/GB	600.00 20 @ POA
13971-2	GE USA. Planar Triode. NOS. Contact us for data, or click the word "13971" at this link www.mif.pg.gda.pl/cgi-bin/vs4.pl .	OB/GB	600.00 30 @ POA
18015	Philips, Holland logo. NOS. A high gain long life audio pentode with a 21 volt heater. Data http://tubedata.itchurch.org/sheets13.html Colourful OB 200 in stock.	Colourful OB	10.00 10 @ 8.00 100 @ 6.50
18046	Valvo logo gold pin Holland. A long life AUDIO pentode suitable as audio output valve or pre-amplifier. Data – Vf =20, If=135, Va max=210, Ik max=30, S=12, Pa max.=4.5 18046 (18v heater) is very similar to E81L (6V heater). 10,000 hour life rating. Data www.tubedata.org	Mostly OB	4.00 20 @ 3.50
68506	EEV, UK, NOS. 3 pieces. Rectifier for battery chargers. Some similarities to type 367.	GVT	70.00
A101	Dekatron Nixie Russian. NOS.	WB/OB	7.00 20 @ 5.50
A1714 / CV408	Audio triode. GEC sticker, UK NOS. Clean and guaranteed. These A1714 single triode are similar to half of E288CC but different base & internal resistance. A1714 is B7G base and a useful audio triode. E288CC sell for well over GBP80. Data http://tubedata.itchurch.org/sheetsA.html	Most GVT	8.00 10 @ 6.00
A1820	Audio tube. GEC UK NOS. tested guaranteed.	GVT / WB	10.00 6 @ 7.75
A1834	Please refer to equivalent 6AS7 .		
A2134	Equivalent to CV4062 .		
A2134 / EL84	GEC UK, please refer to CV2179.		
A2272	GEC sticker. NOS, clean, uniform and guarantee. Super quality. Has a similarity to 6D22S and EY84. Sockets (SOC950) to fit from stock. A2272 is a half wave rectifier diode. Data: Vf=6.3V, If=1600Ma, Va=5500V, Ik=100Ma. www.frank.pocnet.net	OB/WB	10.00 50 @ 8.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
A2293	GEC CV4079. Similar to a half of a GEC 6080. Data curves/photo http://tubedata.itchurch.org/sheetsA.html and www.tave.co.uk		
A2293	GEC sticker. UK NOS. 40 printed CV4079, 40 printed A2293. O getter. Similarities to GEC 6080. Data in above section.	GVT	10.00 40 @ 9.00 80 @ 8.00
A2293	GEC sticker. UK NOS. Square getter. Similarities to GEC 6080. Data in above section.	GVT	12.00 10 @ 10.00
A2293	GEC sticker. UK NOS. 40 printed CV4079, 40 printed A2293. O getter. Similarities to GEC 6080. Data in above section.	GVT	10.00 40 @ 9.00 80 @ 8.00
A2293 Grade One	GEC sticker. UK. Test as Grade 1. Very small stains in the glass. O getter. Similarities to GEC 6080. Data in above section.	GVT	7.50 12 @ 6.00
A2293 USED	GEC sticker. UK. Test as used (approx 65 percent emission). O getter. Similarities to GEC 6080. Data in above section.	GVT	5.00 32 @ 4.00
A2293 / CV4038	These CV4038 black anode. UK. NOS. They are equivalent to A2293 but are wire ended, flying lead. Military print, by GEC or Brimar. Similar to a half of a GEC 6080. 100 pieces. Photo will be at www.tave.co.uk soon. Data curves/photo www.tubecollector.org/cv4038.htm & www.r-type.org/exhib/aaa0258.htm	GVT	8.50 100 @ 7.00
A2426	Please refer to CV2231 near equiv. A2426 is octal m, CV2231 is B9A. These 2 are equivalent in all other ways.		
A2426	GEC sticker UK. NOS, CV4082. Photo/data, refer to other A2426 section below. Beam Power Tubes. They make great drivers for 211 and 845 tubes, if the A2426 is in triode mode.	GVT	18.00 8 @ 13.00 40 @ 8.00
A2426 USED	GEC logo UK. CV4082. Look slightly used, many test near new. Photo www.tave.co.uk . Data from our office. 16 pieces.	WB	10.00
A2426 Grade One	GEC logo UK. CV4082. New, unused, military box. Some stains in the glass where they were tested or stored. If you don't mind cosmetic imperfections that don't matter, you can save a lot compared to new price. Test as new!	G1	12.00 10 @ 10.00
A2521	GEC, UK NOS. A2521 is similar to 5842 /417A, though not equivalent. A2521 data http://www.r-type.org/exhib/abn0004.htm 5842 data http://www.r-type.org/xtras/xtra01401.htm	OB/WB	10.00 30 @ 8.00
A2521	Equivalent to CV2453.		
A2563	GEC/MWT UK manufacture.	OB	15.00
A2599	GEC logo or sticker, UK. NOS. Audio triode partly similar to 5842. Data: Vf=6.3V, Va=150V, Ik=16Ma, S=15Ma/V. Data http://tubedata.itchurch.org/sheetsA.html	GVT	10.00 16 @ 8.00
A2674	GEC Sticker, UK. NOS. For data and more info please see the "436A" entry in this catalogue.	GB	68.00 8 @ 58.00
A2674 Grade One	GEC Sticker, UK, NOS. For data and more info please see the "436A" entry in this catalogue.	G1	50. 00 8 @ 45.00
A2900	CV6091. GEC UK made. NOS. Usually black anode. Triple mica 200GBP wholesale when available. Non triple mica 150GBP wholesale when available.	OB	POA
A2900 Grade One	GEC, UK Grade One. Guide price GBP115.00 wholesale.	G1	POA
A2913	GEC logo UK NOS. CV5413 / A2913 is special quality low noise amplifier triode. B7G base. Anode dissipation 2.5 watts. Low noise is obtained by running at higher anode current. Photo www.tave.co.uk CV4107 is equivalent to A2913. CV4107 data http://frank.pocnet.net/other/ServiceTypes/cv4-4/CV4107.pdf	GVT	5.00 100 @ 4.00
A3283	GEC sticker, UK NOS. Audio pentode.		7.00
A3341	Hundreds of UK or USA NOS in stock.	Mostly GVT	8.00 100 @ 6.00
A3343	GEC, UK. NOS. Mint condition. Equivalent to DET23 & CV354.	GVT	10.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	A3343 is a glass disc seal, high transconductance broadband triode. For details: http://www.r-type.org/pdfs/det23.pdf .		500 @ 8.00
Aa	West European NOS. Guide price GBP50 wholesale.		POA
ACO44	Mazda, UK NOS. Thin shouldered shape. Some are printed PP3/250. Limited quantity.	OB/WB	200.00
ACO44	Mazda, UK used tested, approximate 65 percent emission. Thin shouldered shape. Some are printed PP3/250. Limited quantity.	OB/WB	100.00
ACO44	Mazda, UK. Test below the proper standard (about 50 percent emission) hence the low price. Still useful in some radios etc. Thin shouldered shape. Some are printed PP3/250. Limited quantity.	OB/WB	75.00
AC701	NOS, Telefunken West German. Ulm factory. For vintage microphones eg Neumann KM54, Schoeps M221B etc. Red dot tube, NOS. Our supplier plugged these into test equipment. Therefore the wires have small pieces of solder. Guide price GBP500 wholesale, if available.	WB	POA
AC701	Telefunken. Tested Grade One. Look decent, do not look new.	G1	POA
Grade One	Test 80 percent emission or more. Guaranteed. Guide price GBP300.		
AC701 USED	Telefunken. Used not new looking. Tested working, 4 pieces.	WB	POA
AC701K	Telefunken. Grade One. Tested. Guide price GBP 450.	G1	POA
Grade One			
AC701 / 5718	Thomson, logo NOS. Clean and guaranteed. These are 5718. 5718 can replace the super expensive and rare AC701, you need to adjust the heater voltage, and pinout. We can provide data sheets etc, but you would need to be a qualified test technician or similar, to carry out necessary adjustments. We cannot advise on adapting individual microphones. 5718 heater 6.3v at 150Ma, anode 13ma. Mutual conductance 6.5ma/v. Data: 5718 – Vf=6,3V, If=150Ma, Va=100V, Ik=22Ma More 5718 data http://tubedata.itchurch.org/sheets51.html Photo www.radiomuseum.org/tubes/tube_5718.html	OB	4.00 10 @ 2.80 50 @ 2.50 600 @ 2.00
AC / HL	Mazda UK NOS. Sometimes available. Shouldered shape GBP28.00. Balloon shape GBP50.00.	OB/WB	28.00 or 50.00
AC-P4	Mazda UK NOS. Some printed CV1198. Audio triode. Data http://electronbin.com/sheetsA.html	OB/WB	25.00 10 @ 22.00 30 @ 20.00
AC-PEN	MOV UK NOS. Audio tube. Please specify 5 pin or 7 pin version, both same price. Several in stock. Data http://www.r-type.org .	OB/WB	20.00
AC-PEN USED	MOV UK. Used, tested. Shouldered shape. Please specify 5 pin or 7 pin version, both same price. Audio pentode.	OB/WB	7.50
AC-PTA	Mazda UK manufactures. Audio output valve. Vf = 4v, S = 3.2Ma/v.	OB/WB	4.00
AC-SP3A	Brimar/Ediswan/Mazda UK NOS. Seen in BBC audio amplifiers. Some are AC/SP3/RHA which is low noise version of AC/SP3/A Photo www.tave.co.uk Data for AC-SP3 tube, almost the same at http://tubedata.itchurch.org/sheetsA.html	OB	16.00 12 @ 14.00
AC-SP3A USED	Brimar/Ediswan/Mazda UK used/tested. Suits BBC audio amplifiers. Some are AC/SP3/RHA which is low noise version of AC/SP3/A Data for AC-SP3 tube, almost the same at http://tubedata.itchurch.org/sheetsA.html	OB	8.00 12 @ 6.00
AC-VP1	Mazda, UK. NOS. Shouldered shape. Large British 7 pin base. Audio mains pentode. Data http://www.r-type.org/exhib/aaa0320.htm	OB/WB	6.00
AC2	West European made. Some NOS some used. Stock. Please enquire or make offer.	OB/WB	Please make an offer
AC2-HL	West European made. Some NOS some used. Stock. Please enquire or make offer.	OB/WB	Please make an offer
AC2-PEN	West European made. Some NOS some used. Stock. Please enquire or make offer.	OB/WB	Please make an offer
AC2 / PENDD	Mazda UK made. Used and tested. Please enquire for price.	OB/WB	Stock

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TYPE	COMMENT	BOX	£ GBP PRICE each
USED			
AC5 / PENDD	Mazda. UK made. NOS. Please enquire for price.	OB.WB	Stock
ACT9	Equivalent to 3J/121E, CV28, BVR152B. In stock. UK NOS.	OB/WB	Offers please
ACT28	UK NOS. CV2163. CV5326. Tested and guaranteed.	OB	335.00 15 @ 300.00
AC-TH1	Mazda logo UK. SLIGHTLY store soled but NOS guaranteed. Near equivalent to X41.	OB	3.50 100 @ 2.80
AD1 / AD1n	Tungram Hungary and Tesla Czechoslovakia. Clean, tested and guaranteed.	OB/WB	150.00
AD101	Telefunken logo, NOS.	OB	160.00
AD1N	Tesla Czechoslovakia. Tested as Grade One.	G1	120.00
Grade One			
AF7	See 6J7G / AF7 for prices and information.		
AL4	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	POA
APV4	Tungram made in England. NOS. This is an audio rectifier, equivalent to MU14.	OB/WB	20.00
AL60	Mullard, logo, Holland. NOS. Audio pentode. Tube data: Vf=4.0V, If=2100ma, Va=500V, IK=90Ma, S=14Ma/V, Pa=18W. Socket to fit AL60 is in stock, our ref SOC7PT4C.	OB/GVT	22.00 20 @ 19.00 75 @ 17.00
ARP3	Marconi logo. USA/Canada. NOS. Socket to fit these usually in stock.	OB	3.25 200 @ 2.50
ARP12	Equivalent to VP23 and CV1331. UK NOS. EMI or Mazda. Audio pentode. Mazda octal socket to fit these usually in stock. Sockets made in China, reference SOC89MA or similar reference. Data http://tubedata.itchurch.org/sheetsV.html	Mostly GVT	8.00 10 @ 7.00 50 @ 6.00
ARTP2	Mazda UK. NOS. Believed to be a triode pentode frequency changer for battery operated receivers. Believed to be equivalent to TP25. TP25 data http://tubedata.itchurch.org/sheetsT1.html TP25 photo http://www.r-type.org/exhib/aaa0700.htm	GB/WB	4.25 100 @ 3.50
AT20 / MZ05-20	Very similar to PX4, but 6v heater. Directly heated audio triode. Mazda UK made NOS. Bulbous shape. For Shindo Lagrange and other high-end amplifiers. Heater is 6v @ 1000mA, anode is 600v @ 110 mA, S=4.2 ma/V, Pa= 20w. PDF data http://www.r-type.org/exhib/zaa0292.htm Schematic for AT20 amplifier http://tubeschematics.blogspot.com/2013/02/se-at20-417a-amplifier-.html The schematic shows AT20 and 417A/5842 tubes in circuit. 417A Raytheon or west electric tubes usually in stock.	GB	270.00 4 @ 250.00
ATP4	Mazda logo, UK NOS. Data www.tubecollector.org/atp4/htm .	OB	3.00
Audio Amplifier	Please refer to CV57 for an audio amplifier that our consultant has built.		
AX50	Out of stock, please enquire.		POA
AZ1	Mullard logo, West European made. NOS. Tested. Shoulder shape. Guaranteed.	GB	25.00 16 @ POA
AZ1	Tesla logo, NOS, tested guaranteed. Czechoslovakia. Some are made by Tesla, but with Triotron logo. Audio rectifier. Sockets to fit are in stock.	OB	10.00 25 @ 8.60
AZ1	East European, NOS. Sockets in stock (Ref. 8SC).	OB/WB	7.00
Grade One			
AZ11	Telefunken, West German. NOS. With logo. Tested and guaranteed. 6 pieces. Sockets to fit in stock.	OB/WB	25.00
AZ12	Mixed East European manufacture.	GVT	8.40
AZ12	Philips West European NOS. Near equivalent to 1561, RGN2004. Tested and guaranteed. Sockets to fit in stock.	OB/WB	20.00 8 @ 15.00

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AZ12	Telefunken and other West European NOS. Tested and guaranteed. Sockets to fit in stock.	OB/WB	40.00
AZ21	Siemens logo NOS. Tested guaranteed. Clean shiny appearance. Made in Austria, West Europe. Loctal base. 40 pieces all the same. Useful audio rectifier with similarities to AZ1, AZ31 and AZ41. Vade mecum data from our office or follow the links from the following website https://frank.pocnet.net/vademecum1.html	WB	25.00 40 @ 20.00
AZ31	Mullard, Western European.	OB/WB	20.00
AZ31 Grade One	Mullard, UK made. Tested and guaranteed.	OB/WB	15.00 5 @ 10.00
AZ31 USED	Mullard, logo. UK made. Used but tested. Decent appearance and guaranteed.	WB	10.00 4 @ 8.70 10 @ 8.00
AZ41	NOS including Philips. AZ41 has ratings similar to 6X4, but AZ41 has 4 volt directly heated filament and B8A socket.	OB/WB	10.00
B36	NOS MOV metal base GBP90 wholesale. NOS MOV brown base GBP40 wholesale.	OB/WB	POA
B36 Grade One	MOV metal base GBP65 wholesale. MOV brown base GBP30 wholesale.	G1	POA
B36 Grade One	MOV metal base. Does not look new but looks decent. Tested to Grade One standard. 2 pieces same appearance available. With logo/sticker. Photo www.tave.co.uk	G1	65.00
B36 USED	MOV metal base. Does not look new but looks decent. Tested as used. Meaning emission approximately 65 or 75 percent. 2 pieces same appearance might be available. With logo/sticker. Photo www.tave.co.uk	WB/OB	45.00
B4	UK NOS. 1 only of this valve. An antique dull emitter made before 1926. Balloon shape. Mentioned in "British radio valve" book by Keith Thrower.	WB	40.00
B65	Marconi logo UK NOS, metal base. When available are GBP600 wholesale price.	OB	POA
B-5991	USA made Burroughs nixie tube NOS. Believed to be equivalent to 8422 NL8422, B5661 B5991. Offers considered. Data https://frank.pocnet.net/sheets/201/8/8422.pdf More data on request.	OB	10.00 36 @ 8.00
B-5992	USA or UK. Nixie tube NOS – when available. Data on request.	OB/WB	POA
B-59956	USA or UK. Nixie tube NOS – when available. Data on request.	OB/WB	POA
BA	Siemens. Shoulder shape. When available.	OB/WB	14.00
BAS / PTT2S	RT logo, French balloon shape.	OB/WB	16.00 20 @ POA
BASES	See TOP CAPS and SOCKET pages at the back of the catalogue.		
Bi	Bi / Siemen antique West German Made. GT shape, NOS, silver coat- ing. Siemens Bi triode. This is suitable as a driver for PX4.	OB	100.00 4 @ 90.00
BK66 / 5550	Ignitron UK, NOS. Tested, guaranteed.	WB	120.00
BL63	CV1102 UK NOS. GEC/Marconi/ MWT. CV1102 data http://itchurch.org/other/ServiceTypes/CVnumbers.html Similar to ECC32 but differences including pin out. Please enquire about available quantity.	OB/WB	80.00
BL63	UK. NOS.	OB/WB	POA
BR1106	Partly similar to 5924, TY7-6000 but not equivalent. EEV, UK NOS. Forced-air cooled Triode. Data Vf=5V, If=175 A, Va=6KV, Ia=1A, U=26- 34. Offers invited.	GVT	400.00 5 @ 350.00
BT5	BT5B , UK NOS.	OB/WB	POA
C3C	Siemens logo, West German. NOS. 4 volt audio pentode, partly similar to C3G, but not equivalent. A good driver for 300B etc. Possibly 20 pieces all the same appearance. We have correct sockets in stock (refer SOC7E2D). Data https://frank.pocnet.net/sheetsC.html	OB/WB	17.00 30 @ 13.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
C3G	Please refer to 5A-152G possible alternative.		
C1148	EEV UK NOS tetrode. Tested. Lots of power for audio amplifier at a low cost. Guaranteed. Sockets to fit in stock. Data www.tave.co.uk , home page. Brief data, heater 6.3V 4.4A, 40W anode dissipation.	GVT	75.00 25 @ 55.00
C1149-1	EEV UK NOS. CV6131.	OB/WB	32.00 20 @ 27.00
C1149-1 USED	Equivalent to CV6131 EEV. These are UK made. Used, tested, clean, with guarantee. Data on request.	WB	16.00 10 @ 14.00
C1166	EEV, UK NOS. Superb quality with 12 months guarantee. Has similarities to 4PR60C, but is not equivalent. Data on request.	OB/GVT	110.00 5 @ 80.00
C3G Grade One	Very rare item. Siemens logo, West German. Audio triode. Test as Grade One. Not new but decent appearance and tested 80 per-cent emission. A good driver for 300B. Data http://tubedata.itchurch.org/sheetsC.html	G1	25.00 8 @ 21.00
C3G	Siemens, Germany. 4 or 5 pieces in stock. Hurry will soon be gone!	OB/WB	35.00
C3M	Siemens logo, West German. NOS. A good driver for 300B. A circuit with C3M and 300B is in Glass Audio, edition 198.	OB	20.00 8 @ 17.50 50 @ 16.00
C3M	Refer to E81L for suitable driver. E81L is a driver for C3M.		
C3M Grade One	Siemens logo, West German. Test as Grade One. Not new but decent appearance.	G1	15.00
C3M USED	Siemens logo, West German. Test as used. Not new but tested & guaranteed. A good driver for 300B. Audio circuit using C3M and 300B is in glass audio, edition 198.	WB	10.00 2 @ 7.00 40 @ 6.00
C6JF	Thyratron USA. NOS with 3 months guarantee.	Mostly OB	60.00 80 @ 50.00
C30	Siemens yellow tape logo on base. Useful as a Preamp driver for PX4 PX25 2A3 300B. http://tubedata.itchurch.org/sheetsC.html These are NOS, unused tested guaranteed, but slight physical imperfections due to long-time storage. Hence reduced price.	WB	22.00 20 @ 17.00
CA / 18028 / RE134	These are balloon shape 18028, Valvo logo, West German. Directly heated triode. NOS tested guaranteed. These 18028 are very similar to RE134 or CA 18028, heater is 3.6v at 1.1 A, RE134 is 4v at 150mA. Anode dissipation for 18028 is 5w, RE134 is 3w. Slightly different heater is no problem, 18028 replaces RE134, no problem. RE134 data sheet http://electronbin.com/sheetsR.html	GB	120.00 4 @ 100.00 each
CAPACITORS	We sometimes have "job lots" of capacitors. Please enquire.		
CATHODE	Certain types in stock. Please enquire.		
RAY TUBES			
CCS1	GEC/Eimac. CCS1=Y-799 is equivalent to 4CX250B. CCS1 has a large copper block instead of radiator fins. Ideal audio power amplifiers, high current, cool using a heat sink. No retail surcharge.	OB/WB	30.00
CD24	Rodan Nixie tube. Out of stock, please enquire.	OB/WB	POA
CK5678	Please refer to 5678.		
CL33	UK NOS. Please refer to equivalent PEN36C.		
CV18	Equivalent to 2C34 and DET19.		
CV31	West European.		POA
CV57	GEC UK with sticker E1271 tetrode. NOS and tested. Circuit diagram of CV57 amplifier on request. Data in amplifier: Vf=12.6V, If=1750Ma, Va=450V, Ik=100Ma, Vg=25V, Vg2=300V, Gm=6Ma/V. CV57 fits 845 sockets 41C. Data http://www.shinjo.info/frank/other/CVspecs/ Photo & data http://www.tubecollector.org/cv57.htm	GVT	30.00 16 @ 29.00
CV57 Grade One	GEC UK tested as grade one. Guide price GBP22.50 wholesale.	G1	POA
CV57 USED	GEC UK. Tested as used. Guarantee. Guide price GBP15 wholesale.	BP	POA

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
CV90 / E1368	GEC VHF triode. Collectors item from the 1940s. 10 pieces. Great data/photos http://www.r-type.org/exhib/abo0044.htm	OB	10.00
CV121	Ediswan UK rectifier. Equivalent to 19H1 and possible alternative, not equivalent to U19 . Potential audio type.	GVT	4.80 100 @ POA
CV124	Equivalent to 807 .		
CV140	Please refer to equivalent CV4025 .		
CV187	Please refer to equivalent U19 .		
CV238	UK NOS. A S Band klystron. 2.93 - 3.13 GHz. Near equivalent KR6/3. For airborne Radar. The resonator (like anode) operates at 250v. The electrical tuning range is 20 MHz. Near equivalents include KR6/3, CV116, CV272 CV35 CV67	GVT	13.00
CV315	Please refer to 4304C .		
CV345	Refer to 12E1.	OB	POA
CV358	Please refer to EF37A .		
DISPLAY ITEM CV360 or CV6173	UK, probably NOS unused item but without guarantee. Possibly working. Photographs on request. Interesting "string vest" appearance. Would make great display pieces.		15.00 10 @ 12.00
CV372	EEV UK made NOS. Please see 3C45 EEV.	OB/WB	40.00
CV372	Westinghouse logo, NOS. No certainly as to which country this was made in. Clean and tidy. Guarantee is 12 months from despatch date. Equivalent to FX227 and 3C45.	OB/WB	25.00 50 @ 20.00
CV391	Please refer to 5B-255M exact equivalent.		
CV428	Equivalent to 5B-254M ITT/STC brands.		
CV450	EL38 Mullard, equivalent to 6CN6. Please refer to EL38 for prices and quantities.		
CV455	Equivalent to ECC81 .		
CV491	Equivalent to ECC82 .		
CV492	Equivalent to ECC83 .		
CV509	Equivalent to 6V6G .		
CV511	Equivalent to 6V6GTB .		
CV574	Refer to 6X5GT .		
CV575	Equivalent to 5U4G .		
CV587	Please refer to 6Q7G .		
CV591	Please refer to 6SJ7 .		
CV717	Equivalent to 5R4GY .		
CV729	Equivalent to 5V4G .		
CV850	Equivalent to EF95 .		
CV858	Equivalent to 6J6 and ECC91 .		
CV980	UK NOS. A protective arrestor. Data http://www.tubecollector.org/cv980.htm	GVT	11.00 10 @ 9.00 80 @ 7.00
CV1035/VR35	Hundreds of UK or USA NOS in stock.	Mostly GVT	POA
CV1053	Please refer EF39 Mullard.		
CV1060	Equivalent to 807 .		
CV1075	Equivalent to KT66 .		
CV1111/ VU111/R11	Please refer to U27 equivalent.	Mostly GVT	
CV1166	UK, NOS, Tested like VR22.	GB	20.00
CV1197	Refer to EC53 Mullard.	OB/WB	POA
CV1264	West European.		POA
CV1343	GEC UK NOS CV1343. Octal base. Please ask for free data sheet.	GVT	7.00
CV1347	Please refer to equivalent ECH35 .		
CV1473	Photocell CMG22. UK USA NOS.	OB	20 @ POA
CV1501	GEC. We have stock. Please refer to TT11 / VT501 elsewhere in this catalogue.	GVT	POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
CV1651	Equivalent to VT68 UK, or G445. B4 base, audio triode x 10 B4 base audio triode. Mullard, logo UK NOS. Data from our office, or www.shinjo.info/frank/other/CVspecs/index.html	Most GB	30.00 10 @ 23.00
CV1651 Grade One	B4 base audio triode . Mullard, logo UK. Test as Grade One. Data from us or www.shinjo.info/frank/other/CVspecs/index.html Equivalent to vt68 UK or G445 B4 base AUDIO TRIODE x 10.	G1	20.00 10 @ 15.00
CV1675	Various UK brands. Audio pentode, equivalent to N43.	OB/WB	10.00
CV1835	Equivalent to 3B28 .		
CV1884	Please refer to 33A-158M .		
CV1934	Refer to 6J5GT .		
CV1985	Equivalent to 6SL7 .		
CV1988	Equivalent to 6SN7GT .		
CV2000	(EF91 fly leads) 5A/159N. NOS. Brimar 1960s vintage British made. Long lasting good quality signal pentode. CV2000 5A/159N is equivalent of EF91 or 6064 but with wire leads. Audio pentode data www.tubedata or ask our office. Photos www.tave.co.uk .	Mostly GVT	2.50 100 @ 2.20 1,200 @ 2.00
CV2006	Western Electric logo in stock. Please enquire.	OB/WB	POA
CV2013	Equivalent to CV4055 .		
CV2116	Equivalent to RK2116, UK manufacture NOS by EMI, etc. A reflex klystron (a microwave oscillator that requires an external resonant cavity to operate). They operate between 1.8 and 4.5 GHz. Data www.tubecollector.org/cv2116.htm	GVT	40.00 20 @ 37.50
CV2127	Equivalent to CV4055 and 6CH6 .		
CV2130	West European and equivalents. QB3-300 Siemens RS1007, QY3-125, CV2130 and 6155. Data: Vf=5.0V, If=6500Ma, Va= 3000V, Ik=350Ma, S=2.5Ma/V, Pa=125W. Potential audio type . We have B5F sockets to fit this in stock. More data available.	WB/GVT	38.00 10 @ 26.00
CV2135	Please refer to 6BR7 .		
CV2136	Equivalent to CV4043 .		
CV2154	AEI, UK NOS equivalent to CV7108.		40.00
CV2155	AEI, UK NOS.		40.00
CV2169	EEV UK. Believed to be a particle accelerator magnetron. Weighs 7kg / 15 pounds. NOS and guaranteed. Offers invited for this item.	GVT	POA
CV2179	Please refer to CV4062 on approx page 89 for exact equivalent.		
CV2213	Audio voltage regulator/stabiliser. Hivac CC3L. NOS guaranteed. Photo www.tave.co.uk Data www.tubecollector.org/cv2213.htm	GVT	5.00 20 @ 4.00 250 @ offers
CV2231	GEC Sticker UK NOS. Has similarities to EL34 C3M. CV2231 is a good driver for 845 tube in SE audio circuit. Data www.tubecollector.org/cv2231.htm Or www.shinjo.info/frank/other/CVspecs/cv4-2/CV2231.pdf	Most GVT	5.00 50 @ 4.00
CV2258	Microwave semi-conductor diode, UK made NOS. Photo at http://www.tubecollector.org/cv2258.htm CV2258 C34B CS4B crystal valve semiconductor diode. A general purpose UHF-MW detector diode. This is an X-band mixer diode with a max frequency of 12GHz.	BP	3.70 10 @ 2.50 700 @ 1.80
CV2276 / Z319 / 6351	UK or USA NOS in stock.	Mostly GVT	POA
CV2287	Geiger tube. UK or USA NOS in stock. Photo/data http://www.tubecollector.org/cv2287.htm	Mostly GVT	17.50 50 @ 15.00
CV2293	Equivalent to XB1. HIVAC USA made with Hivac logo. NOS. Clean and guaranteed. This barretter has possible audio use. Data http://frank.pocnet.net/other/ServiceTypes/CVnumbers.html Photo http://www.r-type.org/exhib/aai0180.htm	WB	3.50
CV2298	Huge GEC tetrode. New / NOS clean with guarantee.		150.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
DISPLAY ITEM	Huge GEC tetrode space age appearance. 37 cms or 15 inches tall.		20.00
CV2298 USED	Used but clean untested without guarantee. Photographs on request. Would look great as a display item or door stop!		8 @ 16.00
CV2346	UK manufacture.	GVT	50.00 50 @ 45.00
CV2430	TR cell. Hundreds of UK or USA NOS in stock.	Mostly GVT	30.00 125 @ 20.00
CV2431	Equivalent to DG7-32 CRT.		
CV2478	Magnetron UK NOS.	MB	POA
CV2492	Equivalent to E88CC .		
CV2721	Please refer to EL81 .		
CV2886	Geiger tube. Hundreds of UK or USA NOS in stock. M2H.	Mostly GVT	POA
CV2901	Equivalent to EF86 .		
CV2975	Equivalent to 6BQ5 .		
CV3998	Please refer to equivalent E180F .		
CV4001 / 6X4	Brimar UK NOS (flying leads, wire ended). "Scoba" logo, but made in the UK by Brimar. Square getter. Data https://www.tubecollector.org/cv4001.htm	OB/WB	27.50 30 @ 24.00
CV4002	Please refer to EF91 / CV4002 in the EF91 section.		
CV4003	Mullard, logo UK, NOS, Box Anode, Big Ring Getter.	GVT	80.00
CV4003	Please refer to ECC82 exact equivalent.		
CV4004	Please refer to ECC83 exact equivalent.		
CV4006	6BR7 Brimar UK, Brimar logo. Same as EF86 but lower microphony, different pin out. Please refer to 6BR7 for prices.	OB	See 6BR7
CV4007	Please refer to CV4025 for superior quality equivalent.		
CV4010	Mullard, UK. Please refer to EF95. Hundreds in stock.	GVT	See EF95
CV4014	Please refer to EF91 .		
CV4020	Equivalent to OA2WA and CV4100 .		
CV4024	Please refer to ECC81 for all details.		
CV4025	Mullard, old style logo. Hundreds in stock.	GVT	3.00
CV4025	Mullard, UK, no logo, printed CV4025. Perfect. Equivalent to 6AL5. Very clean, all identical.	GVT	2.50 100 @ 2.00
CV4025	Superior equivalent to 6AL5 , 6058 , E91AA and EB91 .		
CV4031	Please refer to ECC91 for details.		
CV4034 / ECC82	Brimar logo UK. Please enquire.	GVT	POA
CV4034 / ECC82	Mullard, logo UK. NOS. CV4034/F6067. Identical to UK. ECC82 except these have flying leads (wire ended) instead of B9A Socket so they can be soldered straight into the PCBs, which yield low noise.	GVT	20.00
CV4034 / ECC82	RFT German manufacture. NOS. CV4034/F6067. Identical to ECC82 except these have flying leads (wire ended) instead of B9A socket. These can be soldered straight into the PCBs, which yield low noise.	WB	9.00 40 @ 7.00
CV4043	Please refer to 6BW6 .		
CV4044	Mullard, UK. Equivalent to M8091/CV2235. Hundreds in stock.	OB/WB	4.00
CV4052 / 85A2	EEV UK NOS CV4052. EEV UK was part of the GEC UK company. Potential audio item with similarities to 85A2. CV4052/QS1202 is a wire-ended gas regulator tube that regulates from 5 to 15Ma at 108 volts DC. Data 108V DC, 210V striking total darkness, 133V striking in normal lighting. 15Ma maximum tube current, 2Ma minimum tube current. NOS clean and guarantee. These are CV4052, similar to 85a2 but not equivalent. Photo www.tave.co.uk Data http://frank.pocnet.net/other/ServiceTypes/CVnumbers.html	GVT	2.50 100 @ 2.00 500 @ 1.50
CV4055	A working audio amplifier using CV4055 can be viewed, by appointment, at our Billingshurst office.		
CV4055	Please refer to 6CH6 for information.		

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TYPE	COMMENT	BOX	£ GBP PRICE each
CV4056	F/6132 Brimar UK 6CH6. Same as 6CH6 above** but with flying leads / wire ended.	OB/WB	5.00 400 @ 3.00
CV4058	Exact equivalent to 6C4 .		
CV4060	Please refer S11E12 for more information.		
CV4061	GEC UK NOS. Nice 70s vintage British made GEC Genelex CV4061. High voltage double diodes. Potential audio type. Data www.tubecollector.org/cv4061.htm .	GVT	2.30 10 @ 2.00 50 @ 1.70 500 @ 1.50
CV4062	Please refer to A2134 .		
CV4062	GEC UK NOS. Clean and guaranteed. Military quality B7G pentode. CV4062 are a possible alternative, not equivalent to EL84, but has a different base and transformer ratio. Data Vf=6.3V, If=635Ma, Va=300V, S=12Ma/V, Pa=9W. Data http://tubedata.itchurch.org/sheetsA.html Photo http://www.r-type.org/exhib/aaa0224.htm	GBox	9.00 30 @ 7.00 500 @ 5.00
CV4062/ A2134	These are CV4062 or CV2179 black anode. D getter . GEC UK NOS. All have GEC logo or GEC sticker.	Most GVT	10.00 50 @ 9.00
CV4062 / EL84	or A2134 or CV2179 . GEC UK NOS. Clean and guaranteed. All CV4062 GEC sticker or GEC logo. Military quality B7G pentode. Most are CV4062 and are a possible alternative, not equivalent for EL84, but has a different base and transformer ratio. Data Vf=6.3V, If=635Ma, Va=300V, S=12Ma/V, Pa=9W. Data http://tubedata.itchurch.org/sheetsA.html Photo http://www.r-type.org/exhib/aaa0224.htm	Most WB	9.00 30 @ 7.40 500 @ 7.00
CV4067 VX8167	Mullard, 7 flying leads. Wire ended. May be equivalent to EL70. Output pentode. Data http://frank.pocnet.net/other/ServiceTypes/cv4-4/CV4067.pdf	GVT	5.00 50 @ 2.50 1,000 @ 1.50
CV4068	Brimar logo UK NOS. Black anode O getter. Equivalent to 13D3, 6158 and CV2212. Same as ECC32 but ECC32 is octal and CV4068 is B9A base. 13D3 refer to CV4068 equivalent.	Most OB	20.00
CV4068	Brimar logo UK NOS. SQUARE getter.	Most OB	32.00
CV4068 Grade One	Brimar logo UK. Square getter. Test as Grade One.	G1	22.00
CV4068 USED	Brimar logo UK. Used, tested, guaranteed. Black anode. Equivalent to 13D3 . Near equivalent to ECC32 except CV4068 are B9A base.	BP	15.00
CV4068 / CV4051	Brimar logo UK. NOS. 8 x CV4051, 50 x CV4069. These have flying leads / wire ended. CV4069 are equivalent to CV4068 except for wire ended base . CV4051 are equivalent to F-6158 and partly similar to ECC32.	GB	15.00
CV4071	GEC UK NOS. Vacuum rectifier. Can rectify 50ma at 6,000 volts. Nice 1960s vintage genuine GEC made. Data www.r-type.org/exhib/aaap0005.htm .	Mostly GVT	5.00 100 @ 3.50
CV4079	Please refer to A2293 . Potential audio type.		
CV4085	Equivalent to EF86 .		
CV4096	Raytheon USA NOS. 1970s vintage military issue VX9185 tube, a long lasting good quality sub-miniature tetrode. Data www.tubecollector.org/cv4096.htm	GVT	4.00 300 @ 3.00
CV4097	S2P20 most Raytheon USA, some STC UK. All NOS with logo. B9A audio tetrode with similarities to EL84 . Data http://electronbin.com/sheetsS.html	OB/WB	3.00 100 @ 2.50
CV4116	Hundreds of UK or USA NOS in stock.	WB	4.00 100 @ 3.00
CV4502	Mullard, UK. Please refer to 7433 .	GVT	
CV4503	Equivalent to 7434 , CV472, CV476, VX7106. Wire ended pentode. 7434 data http://electronbin.com/sheets7.html	WB	3.30 250 @ 2.60

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TYPE	COMMENT	BOX	£ GBP PRICE each
CV4516	UK / USA. NOS. Wire ended tube with some similarities to 85A2.	WB	3.80 20 @ 3.00
CV5080	Equivalent to EF37A.		
CV5217	UK / USA. NOS.	WB	5.00
CV5413	A2913 GEC UK. Hundreds in stock.	GVT	5.00
CV5961	Hundreds of UK or USA NOS in stock.	Mostly GVT	1.50 100 @ 1.00
CV6005	Equivalent to BS502 VX9216. A monitor diode. They operate in frequency range 8.5-10 GHz. EEV UK. NOS. They cost the Royal Air Force a fortune but sold for bargain price! Guaranteed. NOS clean. Data sheet free from Billington Export office.	GVT	25.00 50 @ 15.00
CV6022	UK EEV manufacture. Slightly used with a black stain in the glass.	G1	200.00
Grade One	Clean and tested with guarantee.		
CV6071	UK USA NOS. In stock.	OB/WB	GBP offers
Grade One			
CV6087	Equivalent to VX8506 and LA9-3B, GEC or Mullard, NOS TR Cell Tube. They cost the Royal Air Force GBP2,500.00 but sold for bargain price! Don't be scared to make an offer. Guaranteed. NOS in clean GVT box. Data http://www.mif.pg.gda.pl/cgi-bin/vs4.pl	GVT	GBP Offers
CV6091	Please refer to A2900.		
CV6099	Appear to be UK NOS. Suitable for night vision goggles. We have no way of testing these, but they are decent appearance with a 90 day "no quibble" guarantee.	WB	100.00 4 @ 80.00
DISPLAY ITEM	UK, NOS item in OB but without guarantee. Probably working.		10.00
CV6117 or	Long thin tube 50 cms. Looks like a vintage thermometer. Photos on request.		
CV6107			
CV6124	Thomson France. A backward wave oscillator. Used, tested at low power. Guaranteed. Weighs 23 kg. Carriage to UK GBP20,overseas freight POA. Data/photo www.tubecollector.org/cv6124.htm	Box	240.00
USED			
CV6168	WF461 Ferranti Radar TR Cell Tube. Suits OTH radar. It switches the waveguide from receive to transmit. They cost the Royal Air Force a fortune but sold for bargain price! Guaranteed. NOS in sealed bag and GVT box.	GVT	10.00 100 @ 8.00
CV6169	Ferranti WF471. Radar TR Cell Tube. Suits OTH radar. It switches the waveguide from receive transmit. They cost the Royal Air Force a fortune but sold for bargain price! Guaranteed. NOS in sealed bag.	GVT	10.00
DISPLAY ITEM	UK, probably NOS but without guarantee. Probably working Photo on request. Interesting "string vest" appearance.		15.00 10 @ 12.00
CV6173 or CV360			
CV6223	Mullard, UK. NOS. For you to test. 12 months "no fuss" guarantee. We will immediately replace or refund any you return. A 350W travelling wave tube. Data: Centre Frequency 3GHz; Output Power 350W (Pulse); Frequency range 2.7 to 3.3 GHz; Max. Duty Cycle 0.005; Beam Voltage 8.5Kv; Gain 31Db. More data http://frank.pocnet.net	GVT	200.00
CV6223	TWT. UK made in stock. Sold as is.	WB	30.00
CV7077	UK NOS semiconductor by Ferranti or other UK manufacture.	GBOX	4.00 50 @ 3.00
CV7109	AEI, UK NOS.		40.00 50 @ 30.00
CV7137	AEI or other UK make. New / NOS. Silicon rectifier valve. Equivalent to SR 4501-A.		3.33 5 @ 3.00 300 @ 2.50
CV7378	AEI, UK NOS		40.00
CV8322	USA / UK maker. New / NOS. Equivalent 2G220. In stock.		300 @ POA
CV8671	EEV UK NOS. Equivalent to GXK20 spark gap. EEV catalogue data on request. At this price, it's cheap enough just to use it for display/museum piece. However, they are NOS and guaranteed.	GVT	12.00 500 @ 9.00
CV10952	T988D USA or UK NOS. With guarantee. 10 in stock.	OB/GB	10 @ POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
CX1191	EEV UK NOS. Tested, with guarantee. Made In the 1990s. New and unused. Price negotiable.	OB	POA
CX1119A	EEV UK NOS. Hydrogen thyatron.	OB/WB	POA
CX381	Cunningham USA.	WB	25.00
CX1140	EEV. UK NOS. 1980s/1990s manufacture. New/NOS, tested. Guaranteed 12 months from dispatch.	GB	700.00
CX1140 USED	Hydrogen thyatron. UK made by EEV. Used in Varian systems. Pulled from working equipment. Not new appearance but tested, clean and guaranteed.	WB	300.00
CX1140 Grade One	UK made by EEV. Not new appearance but tested to Grade One standard, clean with guarantee. 1980s or 1990s manufacture.	BOXED	500.00
CX1140A	EEV UK NOS. 1980s/1990s manufacture. New/NOS, tested. Guaranteed 12 months from dispatch.	GB	650.00
CX1154	EEV UK. Sometimes in stock. We can only sell these to certain countries. Data www.e2v.com/products-and- services/rfpowersolutions/thytrons/datasheets/	OB/WB	POA
CX1157	EEV UK NOS. High power ceramic hydrogen. Will be tested with guarantee. There are restrictions re selling this item to certain countries.	OB/WB	500.00
CX1157	EEV UK. High power ceramic hydrogen. Will be tested with guarantee. There are restrictions re selling this item to certain countries. These might be unused. But someone has written the test results on the ceramic, therefore sold as used, half price.	OB/WB	240.00
CX1159	EEV UK NOS or Chinese NOS. High power Thyatron.	OB/WB	POA
CX1180	EEV UK NOS. Ceramic hydrogen tube. Restrictions re selling this item to certain countries.	OB/WB	POA
CX1559	EEV UK NOS. Deuterium-filled thyatron, with low jitter and low anode delay time drift. Designed for high rate of rise of current and a high ampere second capability, at high pulse repetition rate. A reservoir from a separate heater supply is incorporated. 12 month guarantee. This item can only be sold to certain countries. Data available.	OB/WB	325.00 4 @ 300.00
CX1559 USED	EEV UK. Used. Tested. Thyatron. 12 months guarantee. For some data on this item, please refer to CX1559 NOS paragraph, above.	WB	115.00 2 @ 110.00
CX1159 USED	EEV UK. Used, tested, guaranteed. Data on request. GBP240 wholesale price for a used item, when available.	WB	POA
D3A	8 x Ericsson West Europe. 1 x GEC UK. All NOS.	OB	24.00
D3A	Rare pinched waist (waisted shape) Siemens, West Europe, gold pin. NOS tested, clean guaranteed, uniform.	WB	45.00
D3A	Siemens, 50 percent emission. Guaranteed. These Siemens D3 a are West European made gold pin, clean and guaranteed. They are unused but test around 50/60 percent emission. 50 percent is outside the usual accepted test standards, but these usually work perfectly well in equip- ment. As NOS, D3A are rare, these guaranteed 50percent items may suit many customers.		12.00 50 @ 10.00
D3A	Siemens, West Europe, gold pin. NOS clean and guaranteed uniform.	OB	42.00 10 @ 40.00 100 @ 37.00
D3A	Refer to E280F for near equivalent.		
D3A/ Z759	These are Z759 GEC logo or Marconi MWT logo UK NOS. Printed CV5060. Tested/guaranteed. Z759 has similarities to D3A, but not equi- valent. Data for Z759 and all other types http://tubedata.itchurch.org/sheetsZ.html	OB/GVT	12.00 200 @ 10.00
D3A USED	Siemens, West Europe gold pin. Used, fairly clean, tested, guaranteed. If you triode connect a D3A, it will work similar to 5842, with high gain, nearly 2k Rp. Data is in the NOS D3 a section, above NOS D3A section, above.	OB/WB	5.00 8 @ 4.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
D10-210GH	Brimar UK NOS. If your hobbies include nixes, Dekatrons etc, this might be worth a look. Data & sketch http://electronbin.com/sheetsD.html	OB	20.00 20 @ 15.00
DA30	GEC UK NOS. Guide price straight sided GBP400 wholesale.	GB	POA
DA30 / DO24 USED	These are DO24 Mullard straight sides, test as used. Data www.r-type.org	WB	1 @ 150.00
DA41	GEC sticker, UK. NOS. Sets of 4 or 8 pieces, same appearance.	GB	40.00 8 @ 37.50 16 @ 36.00
DA41 / TZ40	USA NOS. Sometimes available.	GVT	30.00
DA41 / TZ40 Grade One	Hytron logo or Taylor logo. USA made brown base. Test as Grade One. Look decent, doesn't look new. These are TZ40. Photo www.rtype.org/exhib/abd0003.htm Data www.tubecollectors.org/taylor/archives/tz40.pdf	G1	22.00 4 @ 20.00 8 @ 15.00
DA42	GEC sticker. A rare item. Please enquire. Sometimes available.	WB	POA
DA42	Please refer to 811A for possible alternative, not equivalent. Data http://tubedata.itchurch.org/sheetsD.html		
DA60	Marconi logo, UK NOS. Balloon shape. *1 piece only*	WB	600.00
DA90	1A3 CV753 NOS Mullard, 1950s vintage British made military issue. A long lasting good quality NOS B7G diode. Data: Vf=1.4V, If=150ma, Va=115V, Ik=1Ma.		2.40 10 @ 2.00 300 @ 1.50
DA100	MOV UK bulbous shape . Early antique manufacture NT36. Tested like NOS, might be unused but getter slightly imperfect, small scratches on the base, saying "DA100". The scratch is almost invisible . One piece only. Near offers considered.	GBP	1,200.00
DA100	Please refer to MZ2-200 for possible alternative, not equivalent. MZ2-200 is a similar item with more power than DA100		
DA100 USED	When available...	WB	POA
DAF91 / 1S5	Refer to 1S5 .		
DAF96	West European NOS, 100 pieces the same brand same appearance. Equivalent to 1AH5. Data http://tubedata.itchurch.org/sheetsD.html Data/photo http://www.r-type.org/exhib/aad0027.htm	OB/WB/BP	3.50 100 @ 2.80
DCC90	NOS. Audio double triode. Including RT France, Philips, ADZAM, Mullard, x 5, Telefunken. When available.	OB/WB	POA
DE3	Marconi UK dull emitter. Nickel base, top pip as new condition. Early 1920s made! Tested by Phil Taylor.	OB	30.00
DET12	Please refer to 4304CB for an exact equivalent. Audio triode.		
DET16	GEC UK, NOS. Large audio triode. Data/photo https://www.tubecollector.org/cv1363.htm	GVT	100.00
DET20	Mullard, or other UK NOS. Audio triode. Stock is under these equivalents: 2 x CV6, 2 x CV1135, 2 x E1148, 12 x VR135, 6 x DET20. Data: click cv6 link http://frank.pocnet.net/other/ServiceTypes/CVnumbers.html Photo/data http://www.r-type.org/exhib/aai0283.htm	Most GVT	8.50 24 @ 5.00
DET23	GEC UK. DET23 is equivalent to A3343 and CV354. NOS genuine British made GEC. Genelex. DET23 are a glass disc seal high transconductance coaxial broadband triode. Data www.r-type.org/pdfs/det23/pdf	GVT	8.00 500 @ 5.00
DET24	CV397 NOS UK made GEC. A glass disc seal high transconductance coaxial broadband triode, medium overall gain, high transconductance, 20 watts anode dissipation up to 2Ghz. Data www.tubedata.org	Mostly GVT	16.00 30 @ 12.00
DET25	Big audio triode. GEC UK. 2 pieces look the same, tested like new, guaranteed. Balloon shape. Data http://frank.yueksel.org/other/ServiceTypes/CVnumbers.html click on CV1025.	WB	350.00
DET25	Big audio triode. GEC UK. 2 pieces look the same, tested guaranteed.	WB	150.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
USED	GT shape. SOLD AT USED PRICE BUT LOOKS NEARLY NEW. Data http://frank.yueksel.org/other/ServiceTypes/CVnumbers.html click on CV1025.		2 @ 130.00 each
DF61	Mullard, UK 6611/CV2371/DF61. NOS Clean, guaranteed. Wire ended sub-miniature broadband pentode. They were mentioned as "audio types" in Glass Audio magazine in 1999. They operate on 30V DC anode voltage so could operate directly off 48 volt phantom power supply line. A battery would suit the heater (1.25 volts at 20Ma). Data: Vf=1.4V, If=25Ma, Va=67V, Ik=3Ma. More data http://frank.pocnet.net/sheetsD1.html Photo www.tave.co.uk	GVT	2.00 20 @ 1.60 100 @ 1.30 2,000 @ 1.00
DF64 / CV2260	Hivac USA NOS. The DF64 was designed as an audio amplifier in hearing aids. Two tubes would be connected in series across a 1.5 volt battery. The anode supply would be a 15 volt battery. Photo/data www.r-type.org/exhib/aaa1378.htm	Mostly GVT	4.20 150 @ 3.20
DF71	Please refer to 6611		
DF92 / 1L4	Various UK/USA. NOS.	OB/WB	2.20 100 @ 1.70
DF96 / 1AJ4 / 1AF4	Philips/Valvo. NOS. Made in West Germany. RF/IF amplifier for battery operated radios in the detector diode/audio amplifier circuit. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheetsD.html Deduct 25p if you accept without WB.	WB	3.50 10 @ 2.80 150 @ 2.30 5,000 @ 1.80
DF906	Telefunken logo, NOS with diamond <>. West German. Possible audio pentode, B7G base. Data: Vf =1.4v, If =100Ma, Va=45v, gm=1.7Ma/v. Vade mecum data https://frank.pocnet.net/vademecum2.html	WB	4.50 10 @ 4.00 200 @ 3.00
DG7-5	Mullard, UK and Telefunken, West German. NOS. Partly similar to DG7-32 but not the same. Data http://tubedata.itchurch.org/sheetsD1.html Photo http://www.r-type.org/exhib/aaa1013.htm	GVT	28.00 10 @ 22.00
DG7-31	Valvo and Siemens, West German. NOS. DG7-31 has anode 400v, DG7-32 has anode 500v. Apart from this, DG7-31 is near equivalent DG7-32. Data http://tubedata.itchurch.org/sheetsD1.html Photo http://www.radiomuseum.org/tubes/tube_dg7-31.html	GVT	Limited quantity so POA
DG7-32	Mullard logo UK / Holland. NOS. CRT fits the Marantz 10B tuner. Few pieces only.	OB/GVT	80.00 5 @ 67.50
DG7-32 USED	Mullard logo UK / Holland. Used, guaranteed. CRT fits the Marantz 10B tuner. Few pieces only.	OB/GVT	40.00
DH3-91 / 1CP1	Mullard, UK NOS. 1 inch cathode ray tube to CV2302. Great data/photos http://www.r-type.org/exhib/abp0001.htm	OB	25.00
DH7-91	West European NOS.	GVT/WB	25.00
Display Items	Please refer to the display item section around page 175, immediately after the entry "ZZ1040".		
DK91 / 1R5	USA NOS. Please refer to 1R5 on page 7 for current price.	OB/GVT	
DK91	Please see 1R5 equivalent.		
DK92	NOS, Telefunken, West German, arriving soon. Please ask for prices.	OB/WB	500 @ POA
DK96	NOS, West European.	OB/WB	9.00
DL70	Mullard UK NOS, printed CV2105. Data http://electronbin.com/sheetsD1.html	GB	2.50 150 @ 2.00
DLS19	STC UK, vacuum thermal delay switch. Data http://electronbin.com/sheetsD1.html	OB/WB	11.50 50 @ 9.00
DM71	Magic eye West European made NOS.	OB/WB	POA
DM160	DM160 Mullard / Philips, Holland made NOS. Popular DM160 / 6977 miniature tuning indicator tube. It has no variable length display, only	OB	3.20 10 @ 3.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	the brightness can be changed. These tubes will illuminate nicely at 9VDC, filament voltage is 1.2 volts envelope height v approximately 20mm, a very tiny device. Useful for digital clock or decoration lights. Data http://scottbecker.net/tube/sheetsD1.html Photo www.tave.co.uk		200 @ 2.50
DO24	Mullard, UK. 2 identical pieces, clean, tested and guaranteed. Offers considered.	GVT	250.00
DQ2A	Mullard UK or USA. NOS. Tested/guaranteed. Audio rectifier.	OB/WB	12.00 6 @ 11.00
DW4-350	Brimar, MOV and STC, UK made NOS. Similar to MU14, U14, etc.	OB/WB	25.00
DW4-350	Mullard, logo, UK NOS	OB	15.00
DW4-350 Grade One	Brimar, MOV and STC, UK made NOS. Similar to MU14, U14, etc. Tests as Grade One.	G1	15.50
DW4-500	Brimar, MOV and STC, UK made NOS. Similar to MU14, U14, etc.	OB/WB	25.00
DW4-500	Mullard, logo. NU, NOS	OB	15.50
DW4-500 Grade One	Brimar, MOV and STC, UK made NOS. Similar to MU14, U14, etc. Tests as Grade One	G1	15.50
DY51	Mullard UK or Holland NOS. Wire ended rectifier. May have audio applications. Data: Vf=1.4V, If=550Ma, Va=14000V Photo/data http://www.r-type.org/exhib/aaa1233.htm Data http://tubedata.itchurch.org/sheetsD2.html	OB/GVT	2.30 1,800 @ 1.80
DY87	Tungsram logo NOS. Possible audio type. Data http://tubedata.itchurch.org/sheetsD2.html Photo www.tave.co.uk	OB	3.00 100 @ 2.00 1,400 @ 1.75
DY802	Mullard, logo NOS. Possible audio type. Data http://tubedata.itchurch.org/sheetsD2.html Photo www.tave.co.uk	OB/GVT	3.00 100 @ 2.00 2,500 @ 1.75
E2C	Siemens logo German NOS guaranteed. Audio tetrode. Price includes free socket 7E2D. Data http://tubedata.itchurch.org/sheetsE.html	OB	42.00 2 @ 40.00 10 @ 35.00
E2C USED	Siemens logo German. Used, decent appearance, tested, guaranteed. Audio tetrode. Price includes free socket 7E2D. Data http://tubedata.itchurch.org/sheetsE.html	BB	21.00 6 @ 20.00
E2D / E2E	These are E2E. 8 x Siemens NOS, 6 x Valvo logo NOS. West European. Yellow Siemens band on the base. Tested guaranteed. E2E audio tetrode has similarities to E2D but a different socket. If you buy this tube we supply sockets as a gift (9E2E). E2E data http://electronbin.com/sheetsE.html	OB/GVT	20.00 2 @ 17.00 14 @ 16.00
E2D Grade One	Grade One, East Germany. Some have RWN logo. Clean, tested and guaranteed. Sockets to fit these are in stock (7E2D). Price includes free socket.	G1	21.00
E2D	Use E2E for possible alternative, not equivalent with similar electronics/different socket.		
E2D	Refer to E2E. E2E audio tetrode has similarities to an E2D but has a different socket. Sockets to fit are in stock (9E2E).	OB	
E2E	Siemens, West German with logo. NOS with yellow Siemens band on the base. Tested and guaranteed. This is similar to an E2d tetrode but has a different socket. Sockets to fit are in stock (9E2E). Data: Vf=18V, If=360Ma, Va=275V, Ik=75Ma, S=10Ma/V, Pa=10W.	OB/GVT	44.00 4 @ 42.00 12 @ 40.00
E55L	Data paragraph. Some similarity to EL34. Data Vf=6.3V, If=600Ma, Va=200V, Ik=75Ma, S=45Ma/V. Data http://electronbin.com/sheetsE.html		
E55L/ A2674	These are A2674, they have similarities to E55L. E55L (45 ma/V) and A2674 (30ma./V) have many similarities. They are both audio tubes of a similar power. Data http://www.r-type.org/exhib/aaa0271.htm more data below. Both have the same base.(B9D). GEC/Marconi with logo/sticker, UK, NOS, audio tube. These are A2674/ 436A. Triple mica OR gold pin OR D getter. Photo www.tave.co.uk Data www.r-	OB	68.00 8 @ 58.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	type.org/exhib/aam0019.htm		
E55L	USA grey pin. NOS 8233. Tested guaranteed. Price varies, if available.	OB/WB	POA
E55L	USA gold pin. NOS. Tested guaranteed. Data in above paragraph.	WB	POA
E55L	UK gold pin. NOS. Data in above paragraph. Usually in stock, price varies.	OB/WB	POA
E55L Low Test	E55L Low Test. Mullard, logo, gold pin. UK. Test around 50 percent emission. Usual pass mark for used working item is 65 percent. These test below usual test values, and this is reflected in the low price. Guaranteed.	WB	50.00 16 @ 47.50
E55L Grade One	Mullard, logo, gold pin. UK. Test as Grade One. Guaranteed. Data in above paragraph.	WB	POA
E55L USED	USA gold pin. Test near new, look used. Guaranteed. 8 pieces.	WB	8 @ POA
E80CC	Mullard, logo, Holland. NOS. Gold pin. Super quality audio double triode! Data http://tubedata.itchurch.org/sheetsE.html	OB	60.00
E80CC	Mullard logo, Holland. Tests as Grade 1. Gold pin. These are the rare pinched waist version. The glass moulds around the top mica, which gives extra support to the anodes and virtually eliminates microphony.	G1	POA
E80CC	Tall grey pin version. Made in Hungary by Tungsram.	OB/WB	40.00
E80CC USED	Mullard, logo, Holland. Gold pin. Tested as used. Data and other information in E80CC NOS Mullard, section above.	WB	22.00
E80CC / 12AZ7A	Sylvania and Westinghouse, USA NOS. These 12AZ7 have similarities to E80CC. Data on both types available.	Mostly OB	4.50 30 @ 4.00
E80CC / 6211	USA NOS. Grey pin. Note these are 6211.	OB/WB	6.00
E80CF	Mullard, UK/Holland NOS. B9A audio triode pentode. Gold pin. Seen in some valve audio equipment. Data http://tubedata.itchurch.org / photo www.tubecollector.org	Most OB	14.00 5 @ 13.00 40 @ 11.00
E80CF	Mullard, UK/Holland NOS. Waisted glass, very rare. Gold pin.	WB	11.50 10 @ 10.50
E80CF / 7643	USA NOS with logo, gold pin. Tested and guaranteed. Some more info on above E80CF paragraph.	OB	8.00
E80F	Mullard logo. Made in UK/Holland. NOS. Gold pin. E80F usually works as plug in replacement for EF86. However E80F is slightly taller in size.	OB	22.00
E80F	Philips logo. Made in Holland. NOS. Gold pin. E80F usually works as plug in replacement for EF86. However E80F is slightly taller in size.	OB/GVT	22.00
E80L	Philips logo or Mullard logo UK/Holland. NOS. Gold pin. Tested guaranteed. Suits recording studio and other audio equipment. Some similarities to EL84. Data on request.	Most OB	13.00 10 @ 8.75 100 @ 8.00
E80L	USSR NOS. Recording studio type. Slightly similar to EL84.	OB/WB	7.00 10 @ 6.00
E80L USED	Mullard logo UK/Holland. Gold pin. Test almost new, look used but look decent. Slightly similar to EL84. Data on request.	WB	6.50 10 @ 5.00
E81CC	Equivalent to CV4024 and ECC81 .		
E81L	Mullard / Philips. Made in UK or Holland. NOS audio tube with logo. 1970s vintage genuine long life pentode amplifier tubes. This has a 10,000 hour life rating. Suitable as a driver for C3M tube, eg in a 300b audio amp! Data/photo http://tubedata.itchurch.org/sheetsE.html	Mostly OB	5.00 20 @ 4.20 300 @ 3.50
E81L	Philips logo NOS. Gold pin. Made in UK or Holland. Audio tube 1970s vintage, genuine long life pentode amplifier tube. This has a 10,000 hour life rating. Suitable as a driver for C3M tube, eg in a 300b audio amp! Data/photo http://tubedata.itchurch.org/sheetsE.html	OB	5.00 20 @ 4.20 300 @ 3.50
E81L	Some made in East Germany (RFT or similar), some made by Tungsram Hungary. NOS Audio tube. Most have logo.	Mostly OB	4.00 50 @ 3.20

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TYPE	COMMENT	BOX	£ GBP PRICE each
	1970s vintage genuine long life pentode amplifier tubes. E81L is a telecommunications pentode with a 10,000 hour life rating. Suitable as a driver for C3M tube, eg in a 300b audio amp! Data/photo http://tubedata.itchurch.org/sheetsE.html		80 @ 2.50
E82CC	Please refer to ECC82 . Equivalent to CV4003 .		
E82CC-01 / ECC82	BILLINGTON GOLD, Chinese manufacture, grey pin. With guarantee. Please refer to page 6 for full details.	OB	5.80 20 @ 4.50
E82CC-01	Please refer to ECC82 .		
E83CC	Chinese. Gold pin, tested.	WB	6.00
E83CC	Use ECC803S, ECC83, 12AX7 or 5751.		
E83CC-01	Please refer to ECC83 or ECC803S.		
E83F	Phillips SQ logo. Audio tube. West European made. NOS. Gold pin, mesh anode. Super quality, guaranteed. Some similarities to EF86. Data http://tubedata.itchurch.org/sheetsE.html	OB	5.00 6 @ 3.30 100 @ 3.00 400 @ 2.75
E83F	Tungsram, Hungary. NOS. Audio pentode. Grey pin. Data http://tubedata.itchurch.org/sheetsE.html Photo www.tave.co.uk	OB/WB	3.45 5 @ 3.00 200 @ 2.50
E83F	Mullard, logo. West European made. NOS. Gold pin, mesh anode. Super quality, guaranteed. Some similarities to EF86. Data http://tubedata.itchurch.org/sheetsE.html Photo www.tave.co.uk	OB	6.00 60 @ 5.00
E84L	Please see EL84 / E84L.		
E88C	Mixed brands East/West European manufacture, sometimes Mullard, available.	OB/WB	8.50
E88C / 8255	Telefunken logo. NOS West European made. All tested . Very clean, NOS, but no <> between the gold pins. These are E88C single triode. We can direct you to suppliers who provide adapters to convert E88C to 6SN7, B65, ECC32, ECC82 etc. Photo www.r-type.org/exhib/aaa0220.htm Data http://tubedata.itchurch.org/sheetsE.html	OB	10.00 10 @ 6.60 50 @ 6.25 1,000 @ POA
E88CC	These are E188CC RTC logo NOS. Made in Mitcham, UK by Mullard . NOS, gold pin, tested, guaranteed. Parasol getter. 7 digit code is VR1, R2H1.	OB	60.00
E88CC	Amperex x 10. USA NOS. Tested with logo and guarantee.	GVT	17.50
E88CC	BILLINGTON GOLD, tested, guaranteed. Please refer to page 6 for full details.	OB	16.00
E88CC	Brimar logo UK. NOS.	Mostly OB	33.00
E88CC	Mullard logo NOS. Made in UK/Holland with gold pin.	Military box	54.00 16 @ 50.00
E88CC	Mullard, new economy grade. Mullard logo UK. Gold pin. Unused, look new, very clean but anode current tests 70- 75 percent approx. Gold pin. Sets of 10 pieces of the same appearance.	GVT	40.00 30 @ 35.00
E88CC	Very rare, waisted glass version. Mullard logo. NOS.		2 @ 220.00 each
E88CC	Russian. NOS. Gold pin. Tested and guaranteed. 4 pieces the same appearance.	WB	22.00 4 @ 20.00
E88CC	Siemens logo. NOS. Gold pin. Tested and guaranteed. 2 pieces the same appearance.	OB/WB	70.00 2 @ 62.50
E88CC	Telefunken logo. West German with <>. NOS. Gold pin. GBP120 wholesale price. When available.	OB	POA
E88CC	JJ logo by Tesla, Slovakia. NOS. Gold pin. Tested and guaranteed.	OB	15.00
E88CC	Tesla 1980's Sword logo. Gold pin. Wholesale price GBP20 when available.	OB/WB	POA
E88CC	Tesla late 1970s, early 1980's. Gold pin.	OB/WB	30.00
E88CC USED	Mullard logo, used, test about 65 percent emission. Not new appearance but decent appearance. Made in UK with gold pins. Sets of	WB	

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TYPE	COMMENT	BOX	£ GBP PRICE each
	4 pieces the same appearance. Please enquire for actual quantity.		
E88CC USED	Brimar logo UK. Gold pin. Used, tested 65-75 percent emission.	WB	15.00
E88CC USED	Mullard logo / Holland. Gold pin. Used not new appearance, but decent appearance, tested 65 percent emission. Guaranteed. Mixed appearance but 2 pieces of the same appearance may be found.	WB	27.00 4 @ 25.00
E88CC USED	Mullard NOS. Gold pin. Heerlen, Holland date code. Numbers etched into the glass. 1950s made D-getter vintage. Indented glass mid-section "pinched waist" that gives low microphony.	WB	105.00
E88CC USED	Siemens. Gold pin. Used, test 65 percent emission. No bulk offers.	WB	POA
E88CC USED	Mullard, Western Europe. Used. 40 to 60 percent emission. This is lower than normal emissions.	WB	10.00
E88CC	Please refer to E90CC for a possible alternative, not equivalent with B7G base and different gm.		
E88CC	Please refer to ECC88 very near equivalent.		
E88CC-01	Mullard, UK/Holland. Gold pin. NOS. Guide price GBP55.00.	Mostly OB / GVT	POA
E88CC / CCA	Siemens Halske CCA gold pin. Grey shield. Low noise 10,000 hr tube, NOS. Long-life special selected version. Made in Munich. Approx 1960 made. Tested/guaranteed. Just 1 or 2 pieces.	OB	120.00
E88CC / ECC812	Philips logo Holland NOS. Recommended for audio. Great for hi-fi amps. Good substitute for 6922/E88CC/6922.	OB	52.00 3 @ 48.00
E90CC	Similar to 6J6. These are E90CC Mullard logo Holland. NOS. Audio double triode E90CC is PARTLY similar to ECC81. In most cases E90CC plugs in to replace 6J6. E90CC gives better sound than 6J6. 200 pieces tested, all 200 look the same. Data: E90CC B7G base. Vf=6.3 V, If=400 Ma, Va= 100 V, Ik= 15Ma, S= 6Ma/V, Pa= 2W. Data http://tubedata.itchurch.org/sheets/009/e/E90CC.pdf Photo/data http://www.r-type.org/exhib/aai0039.htm Deduct 25p. If you accept the bulk pack (BP, egg crate version).	OB/BP	6.00 4 @ 4.00 200 @ 3.20
E90CC	Pinched waist, D getter. Mullard logo Holland. NOS. Audio double triode E90CC is PARTLY similar to ECC81. In most cases E90CC plugs in to replace 6J6. E90CC gives better sound than 6J6. Data http://tubedata.itchurch.org/sheets/009/e/E90CC.pdf	WB	16.00 20 @ 12.50 40 @ 12.20
E90CC	Philips, logo. UK/ Holland. NOS. Audio double triode E90CC is PARTLY similar to ECC81. Data: ECC81 B9A base. Vf= 6.3v, If= 300Ma, Va=300 V, Ik= 20Ma, S= 2.2 Ma/V, Pa 2 x 2.5W. Data: E90CC B7G base. Vf=6.3 V, If=400 Ma, Va= 100 V, Ik= 15Ma, S= 6Ma/V, Pa= 2W. Data http://tubedata.itchurch.org/sheets/009/e/E90CC.pdf Photo/data http://www.r-type.org/exhib/aai0039.htm Deduct 25p. If you accept the bulk pack (BP, egg crate version).	OB/ BP	6.00 5 @ 4.00 200 @ 3.20
E90F / 6BH6	These are E90F Mullard logo. NOS. Audio pentode. Mesh anode, made by Heerlen factory, Holland. Equivalent 6BH6. Mesh anode, suits Marantz 8B . Photo/data www.radiomuseum.org/tubes/tube_e90f.html	OB/WB	6.00 200 @ 4.80
E91H	Valvo or Philips logo. West Europe made NOS. Data www.tubedata.org	OB	5.00 80 @ 3.20
E92CC	16 Telefunken logo, West German <> and 20 Mullard, Holland. NOS.	Mostly OB	10.00 10 @ 8.00 36 @ 5.00
E99F	RT Logo made in France. Sold out, please enquire.	GB	POA
E130L	West European made. AEG logo (AEG were part of Telefunken). NOS, tested, guaranteed.	OB	30.00 10 @ 28.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
E130L	West European made. Mullard, Telefunken etc. NOS, guaranteed. With logo.	GB/WB	30.00
E130L	Tungsram. NOS. Made in Hungary. Data http://tubedata.itchurch.org/sheetsE.html	OB/WB	24.00 10 @ 19.00
E132	Equivalent to VT37B, CV1643. Partly similar to 101D LS5 LS6 VT25, PX25. UV4 base. If available.	WB	POA
E180CC	Mullard logo Holland NOS guaranteed. Our engineer built an amplifier using E180CC, it had great audio sound! Circuit diagram for E180CC amplifier free on request.	WB	12.50 20 @ 12.00 100 @ 11.00
E180CC USED	Mullard, USA/Holland with Mullard logo. Used and tested.	WB	6.00 10 @ 5.00
E180F	Chinese made NOS with Chinese logo. Grey shiny pin. Tested uniform and guaranteed. This is an audio type. Data www.tubedata.org Photo tave.co.uk	Chinese WB	2.50 10 @ 1.80 100 @ 1.00 400 @ 0.60
E180F	Mullard logo UK. NOS. Equivalent CV3998. All Gold pin tested uniform and guaranteed. This is an audio type. Data http://tubedata.itchurch.org/sheetsE.html Photo www.tave.co.uk	GBox	5.00 10 @ 4.50 100 @ 4.25
E180F	Mullard UK. Box printed 'CV3998 KQDD/K'. Gold pin, no logo. Clean and guaranteed. This is an audio type. Data http://tubedata.itchurch.org/sheetsE.html	GBox	4.00 10 @ 3.50 100 @ 3.25 300 @ 3.00
E180F Grade One	Mullard, logo UK. Gold pin. Test as Grade One. Data http://tubedata.itchurch.org/sheetsE.html	G1	3.50 28 @ 2.50
E180F USED	Mullard logo, UK. Gold pin. Test as used.	OB/WB	2.50 36 @ 2.00
E182CC	Mullard logo, box anode. NOS, USA made.	OB	42.00 32 @ 38.00
E182CC Grade One	Amperex Bugle Boy logo Holland. Test as Grade One. Also, Amperex USA. In sets of 2 pieces the same.	G1	26.00
E182CC Grade One	Mullard rare pinch waist version. D getter. Mullard logo Holland. Test as Grade One.	G1	POA
E182CC / 7119	Mullard UK or Amperex, USA. NOS. Few pieces usually available.	OB/WB	35.00
E182CC / 7119 USED	Amperex Bugle Boy logo Holland. Tested with some stains in the glass. Also Amperex USA.	WB	17.00
E186F	RT logo. NOS, gold pin. West European made audio pentode similar to E180F. RT France worked closely with Mullard UK. E180f data: Vf=6,3V, If=300Ma, Va=190V, Ik=25ma, S=16Ma/V E186f data: Vf=6,3V, If=320Ma, Va=190V, Ik=25ma Data http://electronbin.com/sheetsE.html	OB	7.00 8 @ 6.00 200 @ 4.00 600 @ 3.00
E188CC	Mullard logo, Holland NOS. CV4108 with gold pin. Tested guaranteed. Sets of 4 pieces the same appearance. Matched pairs should be possible.	OB	80.00 2 @ 75.00
E188CC	Siemens logo, gold pin. West German. No ◇ mark.	OB	55.00
E188CC	Sylvania logo, USA. NOS, when available, wholesale price is GBP60. 7308 acid etch.	OB/WB	POA
E188CC	Telefunken logo, NOS. West German <>. Gold pin. Offers considered.	OB	300.00 2 @ 290.00
E188CC	Equivalent to 6922 or E88CC. E188CC is very similar to E88CC but very slightly higher current.		
E188CC Grade One	Mullard logo UK/Holland gold pin. Test as Grade One. Small stain in glass. 20 parasol getter, 20 ring getter. Not new, but decent appearance, with good print, tested guaranteed, clean gold pins.	G1	55.00 16 @ 50.00
E188CC Grade One	Telefunken logo, Grade 1. West German <>. Gold pin.	G1	90.00
E188CC USED	Mullard UK/Holland with gold pin. Used tested.	WB	35.00

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
E236L	Mullard, logo, UK NOS. Octal pentode with similarities to Mullard EL34. Data http://tubedata.itchurch.org/sheetsE.html	OB	12.50 8 @ 11.00
E280F	Mullard & Valvo NOS. West European made. Gold pin.	OB	39.00
E280F Grade One	Mullard logo UK/ Holland. Gold pin. Tested as Grade One. Small stain in glass but decent appearance.	G1	27.50
E280F	Siemens, West European. NOS. Pinch waist. Gold pin.	WB	45.00
E280F USED	Some Siemens, some Mullard. Very rare pinch waist version. Used, test at only 50 percent emission, hence low price. Guaranteed. Decent appearance, good print. Gold pin. West European made.	WB	20.00 16 @ 16.00 60 @ 14.00
E280F USED	With logo. Gold pin. Used, tested and guaranteed. Direct replacement of D3A, or in triode, connection is similar to Western Electric 417A. Data http://tubedata.itchurch.org/sheetse.html	WB	20.00
E282F	Philips NOS. Gold pin. West European made.	OB/WB	40.00 30 @ POA
E283CC	Philips, Siemens etc, West European NOS.	OB/WB	50.00
E288CC	Philips, Siemens and other West European NOS. Gold pins. Wholesale price approx between GBP100 and GBP130 if available.	OB	POA
E406N Grade One	Philips or other West European made. 2 pieces look the same. Test almost new but small stains. Guaranteed. Shouldered shape. E406 is almost identical to E406N and PX4. Data for E406 http://tubedata.itchurch.org/sheetsE.html	G1	125.00 2 @ 120.00
E810F	Good looking B9A base Audio hi slope pentode. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheetsE.html		
E810F	Mullard Holland NOS. Gold pin. Sometimes a few in stock.	OB/WB	45.00
E810F	Mullard USA NOS. Grey pin. Usually a few in stock.	OB/WB	16.00
E810F	Mullard Holland. NOS. Grey pin. Usually a few in stock.	OB/WB	21.00
E810F	Mullard USA. NOS. Gold pin. Usually a few in stock.	OB/WB	22.00
E810F Grade One	Mullard. USA grey pin. Test as Grade One. Usually a few in stock.	G1	12.00
E810F USED	Mullard USA made. Grey pin. Used, tested. Guaranteed. Many look almost new. Usually a few in stock.	WB	10.00
E810F USED	Mullard Holland. Gold pin.	WB	20.00 8 @ POA
E810F USED	Mullard USA made. Gold pin. Used, tested. Guarantee.	WB	11.00
EA50	EA50 = VR92 = 10E/105 = 6D1 = 4623 = CV1092 = 2B35 CV1092 Mullard, UK/Holland. NOS. Photo/data http://www.r-type.org/exhib/aad0103.htm Data: Vf=6,3V, If=150Ma, Va=200V, Ik=5Ma.	GVT	2.00 20 @ 1.50 100 @ 1.20 4,000 @ 0.90
EA52 / 6923	Mullard, West European. Disc seal diode for UHF voltmeters and monitoring devices. Data www.r-type.org/exhib/aad0099.htm .	OB	20.00 20 @ 16.00
EA76	Mullard, UK CV4504. Equivalent to CV469, 6489 & 2S-141G. Wire ended, NOS, clean and guaranteed. Similar to half of an EB91 diode. They handle approximately 10Ma DC so can be used in pre-amp and tube pedal power supplies. Data www.tubecollector.org/cv4504.htm	GVT	4.30 5 @ 3.80 1,000 @ 3.00
EAA91	CV4025 is superior quality equivalent.		
EABC80	West European NOS incl Valvo, Telefunken, Lorenz & Mullard. Few only. NOS.	OB/WB	9.00
EABC80 USED	West European. Used, tested, incl Valvo, Telefunken, Lorenz & Mullard.	WB	4.50 20 @ 3.50
EAC91	or CV4059 Mullard. Most have logo. UK NOS. Audio diode/triode. Data on request. Military/government box.	GB	4.10 40 @ 3.30 300 @ 3.00
EA42	Mullard logo. UK NOS. Audio tube. Data on request.	Most OB	6.00 5 @ 3.33 60 @ 3.00
EA801	Siemens logo. West European. NOS.	OB/WB	5.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
			100 @ 4.00
EAM86	West European made NOS. Magic eye for audio.	OB/WB	POA
EB34	Mullard/Rogers/Marconi UK USA or Canadian manufacture. NOS clean, identical and guaranteed.	Most GVT box	4.75 6 @ 4.00 200 @ 3.20
EB91	Mullard, old style logo .	GVT	4.00
EB91	Mullard, UK CV4007. EB91 is a double diode that suits audio rectifier circuits. These are unused, probably NOS but bulk pack, mixed appearance and bulk pack. Please add GBP 0.25 if WB required.	BP	2.50 10 @ 2.00 400 @ 1.60
EB91	Mullard, UK NOS with GVT print CV4025 no Mullard logo. EB91 is a double diode that can suit audio rectifier circuits.	GVT	2.50 20 @ 2.40 100 @ 2.00
EB91	Siemens logo West European made NOS. Equivalent to 6AL5. Data http://tubedata.itchurch.org/sheetsE.html Photo www.tave.co.uk	OB	2.50 10 @ 2.20 100 @ 1.70
EB91	Please refer to 6AL5 .		
EB91 / 12Y4	These are 12Y4, 1940s Canadian made, Marconi logo. A dual diode similar to 6AL5, but 12Y4 has 12 volt heater and B5 base. Photo www.tave.co.uk Data http://electronbin.com/sheets12.html	Lovely red OB	2.40 400 @ 1.60
EB111	Telefunken Germany. Telefunken logo, no diamond mark.	WB	POA
EBC3 / ECC32	These are EBC3 triode + double diode. Similar to half of an ECC32 / 6SN7GT. These are EBC3 Mullard/Philips NOS, West European made. Red metal, shoulder shape. NOS. Data http://electronbin.com/sheetsE.html Socket to fit this tube, ref 8SC, in stock, at attractive price.	OB/WB	8.00 4 @ 6.00 100 @ 4.80
EBC33	Mullard, UK. Octal based double triode/diode. ST, NOS.	GVT	5.00
EBC33 / 6R7GT	These 6R7GT are equivalent to EBC33. Sylvania logo, USA NOS. Audio triode. 6R7GT is an octal triode + double diode. Similar to half of a 6SN7GT. Data http://electronbin.com/sheets66.html	OB/WB	3.50 10 @ 3.00 50 @ 2.50
EBC41	Mullard, Philips. NOS. Guide price GBP10 wholesale.	WB	POA
EBC91	Please refer to equivalent 6AV6 .		
EBF80	Mullard, Marconi and other UK made NOS.	OB	6.00
EBF80	Bentley and other USSR NOS.	OB	4.00 40 @ 2.20
EBF89	West European and North American brands. [East European stock is cheaper].	OB/WB	3.00
EBL1	Philips West European manufacture.	OB/WB	8.00
EC	Siemens, Germany. Audio tube. Similar to ED. Siemens yellow band logo. 2 pieces the same, inside and out. Data sheet on request.	OB	160.00 2 @ 150.00
EC	Siemens. Audio tube. Similar to ED. Siemens logo. Data sheet on request. 2 pieces: 1 piece looks new, the other piece looks decent but used, because the grey metallising is flaking - therefore reduced price.	OB	160.00 2 @ 120.00
EC52	Mullard, UK. Audio triode. Data: Vf=6.3V, If=430Ma, Va=250V, Ik=10Ma, S=6.5Ma/V.	OB/WB	12.00
EC53	CV1197. Mullard, UK NOS. It has an unusual 3-pin base.	GVT/WB	5.00 20 @ 4.00
EC70	UK and USA NOS.	OB/WB	4.00
EC80	Mullard, Philips etc. West Euro made. Audio single triode. NOS. Some similarities to ECC81 double triode.	OB/WB	11.00
EC81	Mullard / Philips Holland NOS. With logo. Equivalent to 6R4/. Low noise and low microphony, good gain and great audio sound. Single triode. Data http://tubedata.itchurch.org/sheetsE1.html	GVT	10.00 100 @ POA
EC86	Various brands West European manufacture.	WB/GVT	5.00
EC88	Mullard logo UK NOS. B9A base. Single triode, not the same as ECC88. Data: Vf=6,3V, If=165Ma, Va=175V, Ik=13Ma, S=13Ma/V, Pa=2W.	MOST OB	6.00 10 @ 5.00 50 @ 4.50

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TYPE	COMMENT	BOX	£ GBP PRICE each
EC88	Telefunken. Please refer to E88C / 8255, very near equivalent.	OB	POA
EC88	West European manufacture including Valvo. Single triode, not the same as ECC88.	OB/WB	6.00
EC90	Equivalent to 6C4W.		
EC91 / 6AQ4	Mullard logo UK NOS CV4070/CV417. Audio triode with blue glass. Data: Vf=6.3V, If=300Ma, Va=250V, Ik=15Ma, S=9.5Ma/V, Pa=2.5W. EC91 equivalent to 6AQ4 CV4070 CV417.	GVT	5.00 10 @ 4.50 100 @ 4.00
EC91 / 6AQ4 / CV4070	UK NOS. Very low price. These are probably unused and guaranteed but untested. Print styles are mixed. All are egg crate / bulk pack.	BP	3.20 10 @ 2.50 100 @ 2.00 250 @ 1.80
EC92	Refer to 6AB4.		
EC93	Siemens.		5.00 16 @ 4.00
EC157	Philips and French Philips like RT. NOS and 12 months guarantee.	OB/WB	50.00 16 @ 40.00
EC157	Philips and other good quality brands made in West Europe/USA. Test as new but look like clean used. Guaranteed 3 months.	WB	10.00 16 @ 9.00
EC158	Philips and French Philips like RT. NOS and 12 months guarantee.	OB/WB	30.00
EC360 Grade One	RFT, German triode tube. Near equivalent to Russian 6C41C but with octal socket. Grade One.	G1	18.00 4 @ 16.00
EC900	Mullard import. NOS. Suitable for audio tuners.	Most OB	4.00 4 @ 3.20 20 @ 2.80 100 @ 2.40
EC8010	NOS. Gold pin. Makes a useful SE amp, with 300B, F2A, KT88, EL156. Some similarities to 437A, 3A-167M, EC8020.	OB/WB	25.00
ECC31	Mullard, logo. UK. NOS. Shoulder shape. Pan getter. 4 pieces may be available.	OB/WB	75.00
ECC31 Grade One	Mullard, logo, UK. ST shape, test as Grade One. Pan getter.	G1	55.00
ECC31	Please refer to 6N7G equivalent.		
ECC32	2 x Mullard logo black base. 2 x Mullard logo brown base. 2 x Philips logo brown base. All UK, NOS. All matched pair electrically.	OB/GB	420.00 6 @ 400.00 each
ECC32	Mullard logo UK, NOS. 4 pieces the same appearance, black base, grey glass. But not match pairs electrically.	GB	360.00 6 @ 350.00 each
ECC32 / 6N7GT	Please refer to 6N7GT Russian, possible alternative, not equivalent. Many hundreds 6SN7GTB listed elsewhere in this list.	OB	POA
ECC32	Please refer to 6F8G as possible alternative.		
ECC33	Russian.	OB/WB	10.00
ECC33	Mullard logo UK, NOS. Tested guaranteed. Set of 2 of the same appearance. GBP260.00 per tube if available.	OB	POA
ECC33	Mullard logo UK, NOS. Tested guaranteed. Singles, NOT 2 of the same appearance.	OB	225.00 2 @ 200.00 4 @ 190.00
ECC33 Grade One	Mullard, UK with logo. Test as Grade 1. Decent appearance, but not new appearance. Small quantity.	G1	175.00
ECC33 USED	Mullard, UK, with logo. Used, tested and guaranteed. Sets of 2 pieces the same appearance might be available.	WB	125.00 4 @ 115.00
ECC34	Mullard logo UK, NOS. Vintage UK manufacture. Sets of 2 pieces same appearance. Tested and guaranteed.	OB	165.00 2 @ 150.00
ECC34 USED	Mullard, UK with logo. Vintage UK manufacture, all identical. Used and not new appearance but tested and guaranteed. Sets of 4 identical should be available.	WB	75.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
ECC35	Mullard logo, UK. NOS. 2 sets of 2 pieces of identical appearance.	OB	250.00 4 @ 170.00
ECC35 Grade One	Mullard logo UK. Tested, decent appearance not new. Wholesale price is GBP170 when available	G1	POA
ECC40	Mullard logo, West European made, NOS. Out of stock.	OB/WB	POA
ECC40	Mullard, Philips or other West European made. NOS. Socket is B8A 89SKS.	WB	25.00 10 @ 24.00
ECC40 USED	Audio double triode. Tungstram Hungary. Used with some stains in the glass, but decent appearance and tested.	WB	8.00 10 @ 6.00
ECC81	See also 6201.		
ECC81	Amperex Bugle Boy with logo. Made in Holland	OB/WB	30.00
ECC81	BILLINGTON GOLD. Chinese manufacture. With guarantee. NOS. Clean and tested to a special standard. Great audio quality. Suitable microphones such as groove tube MD1.		7.00 10 @ 6.00 50 @ 5.00 200 @ 4.75
ECC81	BILLINGTON GOLD. USA manufacture. With guarantee. NOS, clean and tested to special standard. Great audio quality. Supplied in matched pairs at no extra cost.	OB	7.00 100 @ 5.50
ECC81	Brimar logo, UK NOS. Square getter, tested and guaranteed.	OB/WB	17.50
ECC81	Brimar logo, UK NOS. CV4024 Brimar KB/ Military quality. Made in Eng- land. ECC81 / 12AT7. Brimar white logo. Black anode. NOS and tested, guaranteed. Recommended for audio. Great for hi-fi amps.	Mil Box	16.00 100 @ 15.00
ECC81	Brimar UK NOS. 6060. A special quality version of 12AT7. Brimar "T" trustworthy white logo. Black anode. Great for Hi-Fi amps as phase splitters. Good for any amplifier using the 12AT7 tube to restore that classic sound. Very open and smooth sound and reduced microphony.	OB	17.00 200 @ 15.50
ECC81	Chinese manufacture. Good quality with 60 DAY guarantee. NOS. Data http://tubedata.itchurch.org/sheetsE1.html Not Triple Mica construction , hence lower price.	WB	6.00 10 @ 5.50 50 @ 5.00 200 @ 4.50
ECC81	Chinese manufacture. Triple mica. Other details as ECC81 Chinese above.	WB	8.00 100 @ 7.00 200 @ 6.25
ECC81	EI Yugoslavian made. NOS.	OB/WB	25.00 8 @ 22.00
ECC81	Heintz logo but Sylvania USA made. NOS with logo, 1950s made. D getter, triple mica, black anode. Clean, tested and guaranteed. 100 pieces the same inside and out. Great for Hi-Fi amps as phase splitters. Very open and smooth sound and reduced microphony.	WB	10.00 More @ POA
ECC81	Japan NOS. Unused, tested and guaranteed. Mixed appearance, mixed brands hence the bargain price. Grey anode and circle getter. Great for Hi-Fi amps as phase splitters. Good for any amplifier using the 12AT7 tube to restore that classic sound. Very open and smooth sound and reduced microphony.	OB/WB	6.00 100 @ 4.00
ECC81	Mazda logo. NOS D getter. Clean, tested and guaranteed. We don't know the country of manufacture. Might be West Europe?	OB/WB	8.00 35 @ 6.40
ECC81	Mazda France. NOS.	OB/WB	30.00
ECC81	Mazda logo. NOS O getter. Clean, tested and guaranteed. French made.	WB	24.00 11 @ 20.00
ECC81	Mullard NOS. Single suture anode. Square getter. NOS. Tested. UK made (Blackburn). CV455 KB/DA MB, Military spec, TK1-B6E factory code (1956).		50.00
ECC81	Mullard UK, NOS. M8162 with logo and GVT print CV4024. Low noise/microphony, good gain and great audio sound. Double suture anode construction. These get rarer all the time. Please ask re bulk quantities.	OB/WB	21.50

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TYPE	COMMENT	BOX	£ GBP PRICE each
ECC81	Mullard UK NOS. Military print instead of logo. CV4024. Double suture anode. Tested working but not suitable for match pairs. Using Avo VCM163 tube tester, a typical reading would be 11ma 6.0ma/v, 9.2ma 5.0ma/v.	GVT	17.00 50 @ 16.00
ECC81	Mullard, UK Square getter NOS. When available.	OB/WB	45.00
ECC81	Mullard UK NOS, gold pin, double suture. Guide price GBP130 wholesale if available.	OB/WB	POA
ECC81	M8162 Mullard, logo UK NOS. Made in Great Britain. Single suture.	OB	15.00 10 @ 13.00 30 @ 12.50
ECC81	12AT7WA National made in India. NOS tested guaranteed. We are told the Indian factory used Mullard UK technology and tools. The appearance is very similar to Mullard UK single suture. Excerpts from the Effectrode website, in England... <i>"Mullard's empire had a long and mighty reach. Not only did they build advanced tube manufacturing facilities in in Great Britain, but also set up tube plants overseas in Holland, France, Australia (Philips Miniwatt,) and India (Bangalore). These 'foreign made' tubes were manufactured utilising Dutch Philips/Mullard British-supplied tooling and expertise, which meant these tubes were physically identical to their British made counterparts, they had the same shaped anode plates, support micas, the same seamed glass envelope, the same spot welding, same grid wire spacing and, most importantly, the same cathode chemistry and processing.</i> <i>The Bharat Electronics Limited plant in Bangalore India was set up in collaboration with Thompson CSF, France, during 1954 in the early days, components, such as plates, micas etc were shipped to the factory in Bangalore, India from Philips/Mullard in Europe."</i>	Red OB	10.00 60 @ 8.00
ECC81	Philips SQ logo UK, NOS. Printed "12AT7WA". Double suture anode. Same as the other Mullard UK CV4024 double suture, except for print style. Polystyrene military box.	MB	19.00 More @ POA
ECC81	RCA logo, USA. Black anode, O getter. NOS, clean, tested and guaranteed.	OB/WB	14.00 40 @ 12.00
ECC81	RCA logo, USA. Black anode, D getter. NOS, clean, tested and guaranteed.	OB/WB	21.00 24 @ 18.00
ECC81	RCA, USA NOS. Circle getter. Please enquire for bulk quantities.	OB	12.00 Bulk @ POA
ECC81	RCA logo, USA NOS. Triple mica, black anode.	Most OB	42.00 10 @ 38.00
ECC81	RCA logo, USA NOS. D getter. Most black anode. Please enquire for bulk quantities.	Most OB	17.00 Bulk @ POA
ECC81	RFT, East German. NOS. Flat anode gives great audio sound.	OB/WB	9.00 50 @ 9.25
ECC81	Tung-Sol logo, USA NOS. D getter, grey anode, double mica.	OB/WB	14.00 20 @ 11.50
ECC81	Valvo logo – sold – please enquire	Most OB	POA
ECC81	Sylvania logo USA NOS with logo, 1950s made. D getter. Triple mica. Great for Hi-Fi amps as phase splitters. Good for any amp- lifier using the 12AT7 tube to restore that classic sound. Very open and smooth sound and reduced microphony.	GB	14.00 20 @ POA
ECC81	Sylvania logo USA NOS. Estimate 1960s made. O getter, black anode. Clean, tested guaranteed. Some 12AT7WA, some 12AT7WB. Some double flange anode, some single flange. 10 pieces identical ap- pearance A, 10 pieces identical appearance B, 10 appearance C.	OB/WB	9.00 20 @ POA
ECC81	Telefunken logo NOS. West Germany. With diamond ◇ between pins. NOS, tested and guaranteed.	OB	48.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
ECC81	Tung-Sol logo, USA made NOS. Circle getter. 16 grey and, 16 black anodes. 1960s made.	Mostly OB	12.00 16 @ 10.00 32 @ 8.50
ECC81	Tung-Sol logo, USA NOS. D getter, black anode.	OB/WB	17.00 20 @ 14.00
ECC81	Tungsram Hungary NOS. Natural sounding, extended top end, tight bass sound. Very good tonal balance and clarity. Tested, identical, guaranteed.	OB/WB	10.00
ECC81	Valvo logo. NOS. Horse shoe getter. West German made.	WB	40.00
ECC81	West German made. Logo is Valvo or Siemens or Telefunken. Sets of 2 the same. No diamond between the pins. No <>. NOS. Tested and guaranteed.	OB	20.00
ECC81	GE, Sylvania, Westinghouse, Raytheon. USA NOS. 20 of each. With logo, mostly 1960s made. Square or D getter.	OB/WB	10.00 100 @ 8.00
ECC81	GE, USA NOS. Square getter or triple mica or black anode. Clean, tested and guaranteed.	OB/WB	10.00 100 @ 9.00
ECC81	50 GE, 50 Raytheon, 50 Sylvania and 50 Westinghouse each with logo. USA NOS. Grey anode and circle getter. Great for Hi-Fi amps as phase splitters. Good for any amplifier using the 12AT7 tube to restore that classic sound. Very open and smooth sound and reduced microphony. Good A1-A2 balanced anodes.	Mostly OB	7.00 More @ POA
ECC81 / 12AT7 / E81CC	Gold pin. Chinese manufacture. NOS. Tested. Good quality, guaranteed.	WB	10.00 20 @ 9.00 50 @ 7.00
ECC81 / 12AT7WC	GE green logo. Circle getter. USA made. NOS. 6201 acid etch. Suits guitar amps and high end audio. Polystyrene military box.	Poly / GB	10.00 More @ POA
ECC81 / 6060	Brimar logo. UK NOS. White T logo. Black anode. Printed 6060. Tested, guaranteed.	OB/GB	17.50 10 @ 16.00
ECC81 / 6201	GE, green 5 star logo ***** USA. NOS. Tested with guarantee, the acid etch is "6201". Polystyrene military box.	Poly GB	12.00 25 @ 11.00 100 @ 10.00
ECC81 / 6201	Westinghouse logo USA. NOS. Tested with guarantee, the acid etch is "6201". Triple mica.	WB	12.00 4 @ 10.00 60 @ 9.00
ECC81 / B309	Marconi, UK made. NOS. Grey anode square getter. Sets of 2 pieces of the same appearance. Electrical matched pairs may be possible for a small fee. We have 2 versions. One has 3 circles in the anode, and one that does not.	OB/WB	115.00
ECC81 / B309	Marconi, UK made. NOS. Grey anode circle getter. Sets of 2 pieces of the same appearance. Electrical matched pairs may be possible for a small fee. We have 2 versions. One has 3 circles in the anode, and one that does not.	OB/WB	32.00 20 @ 28.00
ECC81 / 6201 USED	Westinghouse or GE, USA. Used, tested clean. Many have logo. Guaranteed. The acid etch is "6201". 3 or 4 different constructions sorted into groups.	WB	3.70 4 @ 3.20 200 @ 2.75
ECC81 / CV4033	Brimar logo, UK NOS. Identical to UK ECC81 except that these have flying leads (wire ended) instead of B9A socket. They can be soldered straight into the PCBs which yield low noise.	GVT	8.50 10 @ 6.00
ECC81 / ECC801S	BILLINGTON GOLD. Chinese made, gold pin. With guarantee. NOS. Clean and tested to a special standard. Great audio quality. Pre amp tube, replaces any 12AT7/E81CC type.	OB	10.00 50 @ 8.00
ECC81 Grade One	Brimar logo. UK. Tested as Grade One. O getter. ** Quantity in stock may be less than shown. Please enquire about actual quantity. We answer promptly**	BP	9.00 More @ POA
ECC81 Grade One	Brimar logo. UK. Square or D getter. Clean, tested as Grade One and guaranteed.	G1	12.00 More @ POA

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
** Quantity in stock may be less than shown. Please enquire about actual quantity. We answer promptly**			
ECC81 Grade One	MOV, UK Grade One. B309 with logo or sticker.	BB	50.00
ECC81 Grade One	Mullard logo UK. Square or D getter. Tested and guaranteed.	G1	21.00
ECC81 Grade One	Mullard logo UK. O getter. Tested as Grade 1. All double suture construction. Includes some double support getter. Includes CV4024 M8162.	G1	12.00 50 @ 10.00
ECC81 Grade One	Mullard logo UK CV4024. Single suture anode. Tested and guaranteed.	G1	8.50
ECC81 Grade One	RFT, East German. Grade One, might be NOS, look almost new but test only 80 percent emission.	G1	3.75 30 @ 3.00
ECC81 Grade One	Siemens logo. No diamond mark, but West German made. Test as grade one. Guaranteed. 2 mica.	G1	13.00 10 @ 12.00
ECC81 Grade One	Siemens logo. No diamond mark, but West German made. Test as grade one. Guaranteed. Triple mica.	G1	13.00 10 @ 15.00
ECC81 Grade One	Sylvania logo. Tests as Grade One. Decent appearance and guaranteed. 64 black anode with O getter, USA made.	G1	10.00 50 @ 8.00
ECC81 Grade One	Telefunken, West Germany with diamond <> Between the pins. Test as Grade One.	G1	30.00
ECC81 Grade One	USA made Sylvania and Westinghouse with logo. Test as Grade One. Clean, uniform and guarantee.	BP	5.00 More @ POA
ECC81 Grade One	USA made specials. Tests as Grade One. Decent appearance and guaranteed. 64 black anode with D getter or triple mica Sylvania. 32 Raytheon grey anode D getter.	G1	7.50 16 @ 6.50 50 @ 5.50
ECC81 USED	Brimar, UK. Used, clean, tested and guaranteed. Most with Brimar logo. Bargain price! Less 25p for bulk pack not WB. ** Quantity in stock may be less than shown. Please enquire about actual quantity. We answer promptly**	WB	7.00 30 @ 5.00
ECC81 USED	Brimar, UK. All black anode. 40 triple mica and 40 Brimar "T" label. Used not new appearance but tested and guaranteed.	BB	9.00 Bulk @ POA
ECC81 USED	GE, Sylvania, Westinghouse USA made. With logo. Test as used, approximate 65-75 percent emission. Clean, uniform and guaranteed. This D getter, or triple mica. Most black anode. Sets of 10 or 20 or 30 pieces identical appearance.	BP	5.00 16 @ 4.00 200 @ 3.00
ECC81 USED	Mullard logo UK. SINGLE suture anode. Printed CV4024. Tested as used 65-75 percent emission and guarantee.	WB	6.00 10 @ 5.00 50 @ 4.50
ECC81 USED	Mullard logo UK. DOUBLE suture. O getter. Printed CV4024 M8162. Decent appearance for a used tube.	G1	9.00 50 @ 7.50
ECC81 USED	Mullard/Philips. UK/Holland. D getter . Tested as used 65-75 percent emission, guaranteed.	WB	10.00
ECC81 USED	RCA logo, USA made. Grey anode with circle getter. Used tested, look almost new.	OB/WB	7.00
ECC81 USED	RCA logo, USA made, D or square getter. Black anode. Used tested, look almost new.	OB/WB	12.00 20 @ 8.00 50 @ 7.50
ECC81 USED	Siemens logo. No diamond mark, but West German made. LOOK NEARLY NEW BUT test as used. Guaranteed. 2 mica.	WB	
ECC81 USED	Siemens logo. No diamond mark, but West German made. LOOK NEARLY NEW BUT test as used. Guaranteed. Triple mica.	WB	10.00 10 @ 9.00
ECC81 USED	Sylvania logo. Tests as used, guaranteed. Clean, uniform and guarantee. O getter, black anode, triple mica. All identical appearance.	BP	7.50 50 @ 6.00
ECC81 USED	Telefunken logo, West German with "v" between the pins.	BB	18.00

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
	Used, tested and guaranteed.		
ECC81 USED	Tung-Sol logo, USA made. 16 circle getter. 1960s made. Used tested guaranteed.	WB	6.00 16 @ 4.50
ECC81 USED	Tung-Sol logo, USA made. 30 square or D getter. 1960s made. Used tested guaranteed	WB	9.00 30 @ 7.00
ECC81 USED	USA brands including 15 x GE, Sylvania & 25 x Westinghouse. Photo in our library. Used not new appearance but tested with guarantee. Sets of 20 pieces identical.	BB	3.50 100 @ 2.50
ECC81 USED	USA made specials. Tests as used, guaranteed, Sylvania logo. Clean, uniform and guarantee. D getter, most black anode. Sets of 10 or 20 or 30 pieces identical appearance.	BP	7.50 30 @ 6.00
ECC81	Please refer to ECC91. Possible alternative, not equivalent with common cathode and B7G base.		
ECC82	Amperex, Holland bugle boy GBP36 wholesale when available.	WB	POA
ECC82	BILLINGTON GOLD 12AU7. Made in USA. NOS. High audio quality. Individually tested within very tight limits. Guaranteed. They have a good reputation worldwide. Sometimes Billington Gold USA is also available.	OB	14.00 Bulk @ POA
ECC82	Brimar logo, UK NOS. D getter, clear top glass. Grey anode.	WB	30.00
ECC82	Brimar logo, UK NOS. Square getter, black anode.	WB	50.00
ECC82	Brimar UK NOS. Brimar logo. Square side getter, grey anode, clear top. Tested.	OB/WB	30.00
ECC82	6067 Brimar 'T' logo, trustworthy. UK NOS. Tests NOS, looks NOS. 17mm anode. Brimar UK with O getter. Guaranteed. 32 pieces the same appearance.	WB	40.00
ECC82	Brimar red logo, vintage red print. UK NOS. Square getter, grey anode.	WB	40.00
ECC82	Brimar logo, UK made 12AU7. NOS, guaranteed. Grey normal anode. Circle O getter plate.	OB	22.00 32 @ 21.00
ECC82	Brimar logo, UK made. NOS, guaranteed. Black anode. Circle getter.	Most OB	38.00
ECC82	Brimar logo, UK made 12AU7. NOS, clean, tested and guaranteed. Good for high end hi-fi. Grey long anode. Circle O getter plate.	Most OB	28.00 50 @ 24.00
ECC82	Chinese. In short supply throughout 2020. Please consider USA or Japanese made. Listed on this page or the next page.	BP	POA
ECC82	EH. Not in stock. Please consider Tungsram Hungary, RFT, German or USA made. Listed on this page on the next page.	OB/WB	POA
ECC82	EI Yugoslavian made. NOS.	OB/WB	19.00
ECC82	Full music logo, Mullard, CV4003 style box anode. Gold pins. Chinese made. Balanced tone, tight bass, sweet mids and well-defined highs. Price is per tube. Match pair can be arranged.	OB	25.00 12 @ 16.00
ECC82	GE, Raytheon, Sylvania, Westinghouse. Gold box. USA made, NOS, clean, tested, guaranteed, uniform. Most have logo. O ring getter.	Most OB	17.50 20 @ 13.00 100 @ 12.00
ECC82	50 GE, 50 Sylvania, 50 Westinghouse, 50 Raytheon. All USA NOS with logo. All square or D getter, some black anode. All sets of 4 or more of identical appearance. NOS, clean, tested and guaranteed. Great for Hi-Fi amps as phase splitters. Open and smooth sound.	OB/WB	24.00 8 @ 16.00 100 @ 15.00
ECC82	Mazda logo, UK made 12AU7. NOS, clean, tested and guaranteed. Grey anode. Circle O getter plate.	OB	21.00 12 @ 20.00
ECC82	Mazda logo, French made 12AU7. NOS, clean, tested and guaranteed. Grey anode. Circle O getter plate.	OB	35.00 6 @ 32.50
ECC82	Mullard logo. Square getter. 2 have box anode. CV403, 1 has long ladder anode. UK made, tested, guaranteed.	WB	125.00 3 @ 120.00
ECC82	Mullard, logo. UK. NOS. M8136. CV4003. Box anode, tested, guaranteed.	Blue Box	82.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
ECC82	Mullard logo, UK NOS. Square getter. Goal post support.	WB	125.00
ECC82	Mullard logo, UK NOS. O getter, long anode, some have goal post support.	WB	100.00
ECC82	Genuine UK. NOS manufacture by Mullard, CV4003. Box anode, but military print, instead of logo.	GB	80.00
ECC82	Mullard ladder anode. UK NOS with logo. Tested, uniform.	Most OB	45.00
ECC82	Mullard ladder anode. Made in Holland, NOS with logo. Tested, uniform.	Most OB	45.00
ECC82	JJ. Not in stock. Please consider Tungsram Hungary, RFT German or USA made. Listed on this page on the next page.	OB/WB	Bulk @ POA
ECC82	Philips logo, West Europe NOS. 1 or 2 only.	OB/WB	34.00
ECC82	Raytheon, Westinghouse and other Japanese. NOS.	OB	13.00
			50 @ 10.00
ECC82	RCA logo, USA NOS with RCA acid etch. Clear top version. All identical, tested and guarantee. ALL identical appearance.	OB	30.00
ECC82	RCA logo, USA NOS with RCA acid etch. Square getter version. Long black anode. All identical, tested and guarantee.	OB	30.00
			36 @ 28.00
ECC82	RCA logo, USA NOS with RCA acid etch. O getter and silver splash getter versions. All identical, tested and guarantee.	OB	20.00
			10 @ 15.00
ECC82	RFT German made. Good audio sound. NOS, tested and guaranteed.	WB	12.00
ECC82	Tung-Sol logo, USA NOS black glass.	WB	30.00
ECC82 10M	Mullard 10M logo - UK NOS with ladder anode. Grey pin. When available GBP 150 wholesale guide price.	OB	POA
ECC82 / 6189W	Please refer to 6189W Philips and Sylvania logo, USA for good quantity of NOS, clean stock.	OB/WB	Refer
ECC82	Siemens West Europe, NOS, Stock please enquire.	OB/WB	POA
ECC82	Telefunken, West German with logo and diamond <> mark. NOS. Set of 8 of the same appearance. Matched pairs usually available.	Most OB	POA
ECC82	Tesla vintage Czechoslovakian. Estimated 1970s. Tesla logo, clean, tested and guaranteed.	OB	12.00
ECC82	Tung-Sol, USA made NOS with logo. D getter. Clear glass.	OB/WB	20.00
ECC82	Tung-Sol, USA made NOS with logo. Black glass.	OB/WB	30.00
ECC82	Tung-Sol, USA made NOS with logo. O getter. Clear glass.	OB/WB	16.00
			20 @ 14.00
ECC82	Tungsram Hungary NOS .Natural sounding, extended top end, tight bass sound. Very good tonal balance and clarity. Tested, identical, guaranteed. 10 or 20 pieces may exist, please enquire.	OB/WB	14.00
			20 @ POA
ECC82	USA NOS. No logo. Square getter and black anode. Might be Westinghouse or Raytheon. Clean, tested and guaranteed. 8 pieces of black anode and 8 pieces of grey anode.	GVT	13.00
			8 @ 10.00
			16 @ 9.00
ECC82	Amperex Holland with Bugle Boy logo. Tested as grade one, with guarantee. 9 pieces.	G1	27.00
ECC82	Brimar UK. Long anode. Tested as Grade One. Brimar T logo.	G1	13.00
ECC82	50 GE, 50 Raytheon logo and 50 Sylvania. All square getter. Some long anode and some black anode . All USA made. Grade One tested with guarantee. Sets of 8 pieces identical appearance. Some look nearly new.	G1	15.00
			10 @ 9.00
			70 @ 8.00
ECC82	Mazda logo. UK made 12AU7. Clean, tested and guaranteed. Grey anode . Circle O getter plate. Grade One. 20 pieces	G1	13.00
ECC82	Mullard, Box anode M8136 – made in UK. Tested as Grade One.	G1	52.00
ECC82	Mullard, logo, UK with long ladder anode . Grade One tested and guaranteed.	G1	70.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
ECC82 Grade One	Mullard logo, ladder anode . Made in UK/Holland. Guarantee. Test as Grade One. Small stains in the glass. Mullard 7 digit code. Sets of 2 pieces identical appearance.	G1	30.00
ECC82 Grade One	RCA logo, USA with RCA acid etch. Clear top version. D getter. All identical, tested and guarantee. Tests as Grade One. Good appearance but small stain in the glass.	G1	20.00
ECC82 Grade One	RCA logo, USA with RCA acid etch. Square getter version. Black anode . All identical, tested and guarantee. Tests as Grade One.	G1	15.00 50 @ 11.00
ECC82 Grade One	RCA logo, USA with RCA acid etch. Square getter version. Grey anode . All identical tested and guarantee. Tests as Grade One.	G1	15.00
ECC82 Grade One	Sylvania, logo, grey anode , many are long anode. USA made. Clean, tested as Grade One. Guaranteed uniform.	G1	12.00 20 @ 9.80 50 @ 7.00
ECC82 Grade One	Sylvania, USA with logo. Square or D getter . Tested as Grade One.	G1	22.00
ECC82 Grade One	Telefunken, West Germany with logo and "◇" mark. NOS. Test As Grade One. Small stains in the glass.	G1	50.00
ECC82 Grade One	Tung-Sol, USA made NOS with logo. Square or horseshoe shape getter. Tests at 80 or 90 percent emission ie Grade One.	G1	15.00
ECC82 USED	Brimar UK with square or D getter & long anode. Used, tested approximately 70 percent emission and guarantee. Not new appearance but clean. 10 black anode, 10 grey anode. Some printed 6067 T logo.	WB	20.00 10 @ 16.00 20 @ 14.00
ECC82 USED	Brimar logo UK made. Long grey anode. O getter. All tested, many test nearly new. Good appearance, but not new appearance. Sold at used price.	WB	12.50 50 @ 11.00
ECC82 USED	50 GE, 50 Raytheon logo and 50 Sylvania. All square getter. Some long anode and some black anode. All USA made. Used and test 65-75 percent emission with guarantee. Sets of 8 pieces identical appearance. Some look nearly new.	WB	20.00 50 @ 10.00 150 @ 8.00
ECC82 USED	40 GE, 40 Raytheon logo, 40 Westinghouse and 130 Sylvania logo. O getter plate. Some long anode and some black anode. All USA made. Used and test 65-75 percent emission with guarantee. Sets of 8 pieces identical appearance. Some look nearly new.	WB	8.00
ECC82 USED	GE, USA NOS. Believed 1950s made. Long anode. Special anode construction. D getter. Tests at 65 or 75 percent emission. Guarantee.	OB/WB	20.00 10 @ 16.00 30 @ 10.00
ECC82 USED	GE, USA NOS. O getter. Tests at 65 or 75 percent emission. Guarantee.	OB/WB	8.00
ECC82 USED	Mullard logo UK made, used. These test around 50 or 60 percent emission. This is below normal pass mark, but still useful for many purposes. Decent appearance, good print, guaranteed. O getter normal grey anode.	WB	16.00 8 @ 125.00
ECC82 USED	Mullard logo UK made used. Long grey anode, goalpost support. Square getter. These test around 50 or 60 percent emission. This is below normal pass mark, but still useful for many purposes. Decent appearance, good print, guaranteed.	WB	60.00 8 @ 48.00
ECC82 USED	Mullard logo UK / Holland. Low emission. These test around 50/60 percent emission. This is below normal pass mark, but useful for some purposes. Decent appearance, good print, guaranteed.	WB	13.00 20 @ 12.00
ECC82 USED	Mullard, UK / Holland. Ladder anode, O getter in sets of identical appearance. Used and not new appearance but tested 65-75 percent emission. Guaranteed.	WB	17.00
ECC82 USED	Mullard / Philips logo, UK / Holland with square getter. Used and tests 65-75 percent emission with guarantee.		125.00
ECC82 USED	RCA logo, USA with RCA acid etch. Clear top version. All identical, tested and guarantee.	WB	15.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
ECC82 USED	Decent appearance for a USED tube. But many test fairly near to new. RCA logo, USA with RCA acid etch. Square getter, black anode. All identical, tested and guarantee.	WB	15.00
ECC82 USED	Decent appearance for a USED tube. But many test fairly near to new. RCA logo, USA with RCA acid etch. Square getter, grey anode. All identical, tested and guarantee.	WB	15.00
ECC82 USED	Decent appearance for a USED tube. But many test fairly near to new. Great for Hi-Fi amps as phase splitters. Open and smooth sound. Sylvania, USA with logo. O getter. Used not new appearance. Tests at 65 or 75 percent emission. Guarantee.	BP	8.00 Bulk @ POA
ECC82 USED	Telefunken, West Germany with logo and "◇" mark. Tested used guarantee.	G1	35.00
ECC82 USED	Tung-Sol, USA made with logo. Square or horseshoe shape getter. Tests at 65 or 75 percent emission.	WB	10.00
ECC82	Equivalent to 12AU7 .		
ECC82	Please refer to 9AU7 . Equivalent to each other but ECC83 has 6.3V heater, 9AU7 has 9V heater.		
ECC82	Please refer to 6350, possible alternative . Adapters can be found on the Internet to convert 6350 into 6SN7, ECC88, ECC82 etc.		
ECC82	RFT Germany. One of the quietest ECC82 ever made. Low noise, low microphony. Enquire about bulk quantity.	OB/WB	9.00
ECC82 / 12AH7GT	These are 12AH7GT octal base. 100 Tung-Sol, 100 Kenrad & 100 RCA USA NOS. Octal twin triode. Some similarity to ECC82. Many years ago we built a pre-amplifier using this valve which gave a beautiful sound!	GB	3.00 20 @ 2.50 100 @ 2.10 300 @ 2.00
ECC82 / 5963	ECG Philips. Refer to 5963 entry on (around) page 54.	GVT	
ECC82 / CV4034	Brimar logo, UK NOS. CV4034/F6067 Brimar logo. Identical to UK ECC82 except these have flying leads (wire ended) instead of B9A socket. So, they can be soldered straight into the PCBs, which yield low noise. We can advise you suppliers of adapters, which enable you to plug this valve in, as an ECC82.	GVT	10.00
ECC82 / CV4034 USED	Some Brimar, some Mullard. All UK made. Used but guaranteed . Probably only used for 5 hours, but they are soldered into sockets. Due to solder issues they're cheap. These are CV4034, equivalent to ECC82, but have flying leads/wire ended. Wire-ended valves can be soldered directly into a PCB to give extra low noise advantage. Very rare.	WB	25.00 40 @ 18.00
ECC83	Amperex bugle boy logo Holland. NOS. Test as new. Good appearance. Mullard, 7 digit code. Supplied in sets of 4 pieces identical appearance, the same inside and out. Electrical match pairs can be arranged.	WB	95.00 More @ POA
ECC83	BILLINGTON GOLD. Availability varies. Currently only Russian-made ECC83 Billington Gold in stock. Chinese made should resume in 2022, meanwhile please refer to Tung-Sol or Chinese or Electro-Harmonix EH elsewhere in this catalogue. Individually tested within very tight limits and inspected for superior physical conformity. Guaranteed. A good reputation worldwide especially amongst Asian audiophiles. Supplied in attractive blue/red/gold boxes.	OB	15.00
ECC83	Brimar logo, UK made NOS. O getter. 12AX7 1960s made. Tested, clean, guaranteed. Great for hifi. Low noise. Audio sound is detailed, smooth, warm and rich. We have 2 pieces of construction "A", 2 pieces of construction "B" etc. Great for hifi, less suitable for guitar amplifiers.	OB/GB	60.00 8 @ 55.00
ECC83	Chinese manufacture. Guaranteed. Unused and clean, but test around 50 - 60 percent emission. Still useful for many applications. Due to low test result they're around half price! Deduct 25p if you will accept bulk pack / egg crate (25p off for no box).	WB	7.50
ECC83	Made by Shugang factory in China. Mullard style tube. New clean/guaranteed. Deduct 25p if you accept bulk pack / egg crate.	WB	15.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	(25p less for no box). Unused and working but test below usual parameters, hence the low price.		
ECC83	EI logo. Grey pin. Yugoslavia. Grey plate. NOS tested guaranteed.	WB	34.00
ECC83	EI, made in Yugoslavia. Unused and look new but test around 65-75 percent emission hence reduced price. Shiny silver anode that some people call "silver bullet".	WB	35.00 10 @ 27.00 50 @ 18.00
ECC83	EI, made in Yugoslavia. NOS, tested and guaranteed. 12AX7. Shiny silver anode that some people call "silver bullet."	WB	40.00 10 @ 35.00 50 @ 25.00
ECC83	Chinese manufacture. Guaranteed. Unused and clean, but test around 50 - 60 percent emission. Still useful for many applications. Due to low test result they're around half price! Deduct 25p if you will accept bulk pack / egg crate (25p off for no box).	WB	7.50
ECC83	Electro-Harmonix. NOS. Tested, guaranteed.	OB	13.00 10 @ 10.00 75 @ 9.50
ECC83	GE, Raytheon, Sylvania, Westinghouse, ECG. USA made NOS with logo. Tested and O getter. Stock quantity varies. Sometimes 8 pieces are available.	OB/WB	30.00
ECC83	GE, Raytheon, Sylvania, Westinghouse. USA made NOS with logo. Tested and D or square getter.	Mostly OB	50.00
ECC83	JJ made in Slovakia by JJ, JJ logo. Delivery between 2 weeks and 6 weeks after order.	WB	12.00 10 @ 10.00 30 @ 9.00 100 @ 8.00
ECC83	Japan NOS tested, guaranteed. Mazda, Raytheon and many other brands. Good quality items, but not sets of 2 pieces of the same appearance. Hence bargain price.	WB	14.00
ECC83	Mullard, most have logo. UK manufacture. Ladder anode. Mullard, 7 digit code. NOS, tested, guaranteed.	OB/WB	85.00
ECC83	Mullard, logo, Holland manufacture. Ladder anode. Mullard, 7 digit code. NOS, tested, guaranteed. Regret, no "over GBP1,500 discount" on this item.	OB/WB	70.00 24 @ 60.00
ECC83	Mullard / Philips, Holland manufacture. D or square getter. NOS sometimes in stock.	OB/WB	400.00
ECC83	Mullard, logo, UK. NOS. M8137. CV4004. Box anode. Mullard, 7 digit code in the glass.	GVT	140.00
ECC83	RCA logo, USA made NOS. 12AX7. Square or D getter.	Mostly OB	70.00
ECC83	RCA logo, USA made NOS. 12AX7. O getter.	Mostly OB	60.00 4 @ 55.00 8 @ 52.00
ECC83	RFT made in Germany at Mulhausen factory. RFT "N" logo, NOS. Tested/guaranteed. Folded 1 piece anode gives low microphony.	WB/OB	33.00 10 @ 31.50 50 @ 30.00
ECC83	Siemens logo West Europe, NOS, Stock. 2 pieces are printed E83CC. These are older manufacture west German made.	OB	50.00
ECC83	Sovtek logo 12AX7WXT. New clean uniform guaranteed. These are unused and guaranteed but emission around 50-60 percent. We are told they are specifically designed that way to be better for guitar amplifiers.	WB	7.00
ECC83	Svetlana Russia 'C logo' version. Most are made 2000 - 2005. NOS. Tested/guaranteed.	WB	17.00
ECC83	Telefunken logo, West German with ◇ mark. NOS tested/guaranteed.	OB	110.00
ECC83	Tesla NOS. Vintage Czechoslovakia, 1970s or 1980s made. NOT JJ.	OB	50.00
ECC83	Tung-Sol Russia. New & guaranteed.	OB	15.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
			10 @ 13.00 100 @ 11.00
ECC83	Tungsram Hungary made in 1960s or 1970s with yellow print.	OB/WB	37.00
ECC83	Please refer to 5755 Western Electric USA made for low cost alternative, not equivalent. 5755 is very similar to ECC83, both are B9A base, but the pin out varies. We have several hundred 5755. Data ECC83: Vf=6,3V, If=300Ma, Va=250, Ik=1, S=1,6, Pa=2x1 Data 5755: Vf=6,3V, If=300Ma, Va=200, Ik=3, S=1,6, Pa=2x1		
ECC83	Please refer to 6F5GT for possible alternative, not equivalent. 6F5GT is octal based and roughly equivalent to half an ECC83. Refer to data provided.		
ECC83	Equivalent to 5751, CV4004, 12AX7WA.		
ECC83 / 6EU8	Please refer to 6EU8 for possible alternative, not equivalent.		
ECC83 / 6N2P-6H2pi	These are Chinese new 6N2J. Equivalent to 6N2P-EV and 6H2pi Russian. Clean uniform guarantee. These 6N2J are similar to, but not equivalent to ECC83, but with different pin out. They are double triodes. Heater is 6.3vf. The triodes work in series only from pins 4 and 5. The triodes cannot be operated independently of each other as they are in series only, because there's no centre filament tap at pin 9 as in ECC83. Deduct 25p if you accept without box. Data in block 345 [page 490] of Vade Mecum. www.frank.pocnet.net/sheets65.html and look for the 6N2 section.	OB/WB	3.00 10 @ 2.75 100 @ 2.00 300 @ 1.75
ECC83 / 12AD7	4 pieces Hitachi Japan and a few mix USA. NOS. Low noise, low microphony. Will plug in to replace EEC83/12AX7.	Most OB	40.00 4 @ 35.00
ECC83 / 5751	These are 5751 Westinghouse logo USA. NOS. 2 mica, grey anode, grey pin. O getter. GE USA made.	WB	30.00 8 @ 27.50 30 @ 22.00
ECC83 / 7025	RCA logo USA NOS. These are ACTUAL 7025.	Most OB	60.00
ECC83 / 7058	4 pieces GE USA NOS and a few mixed USA. NOS. Low noise, low microphony. 7058 do not always have a centre tap (pin 9 on the tube) so will not always work as a plug in replacement for ECC83 in guitar amps where the tube heater supply is only 6.3V, but are a strong high-quality NOS ECC83.	Most OB	40.00 4 @ 35.00
ECC83 / 5744WB	Raytheon, USA, 5744WB. NOS. Mint condition. A wire ended, sub miniature single triode, similar to half of a 5751 / 12AX7 double triode! Note these are 5744WB single triode.	GVT	4.00 10 @ 2.50 500 @ 2.00
ECC83 / B339	GEC UK NOS. Guide price GBP300 wholesale.	OB/WB	POA
ECC83 / B339 Grade One	MWT logo (Marconi Wireless Telegraph) UK made. 17mm plate. F92 code. O getter. Very rare item.		115.00 5 @ 105.00
ECC83 Grade One	Amperex, Holland with Bugle Boy logo. Tested as Grade One with guarantee.	G1	60.00
ECC83 Grade One	Brimar logo, UK made. Square getter. They test 80 percent emission or more.	G1	55.00
ECC83 Grade One	Brimar logo, UK made. O getter. These are CV4004 / 12AX7 Brimar England ribbed plates 1960s made. They test at least 80 percent emissions. 2 different constructions.	G1	40.00 8 @ 37.50
ECC83 Grade One	Mullard, logo, UK. NOS. Test as new, look almost new but the top getter has some black stains. Therefore sold at Grade One price. M8137. CV4004. Box anode. Mullard, 7 digit code in the glass.	WB	110.00
ECC83 Grade One	Mullard logo, UK/Holland. Ladder anode. Test minimum 80 percent emission. Many test as new but Grade One appearance with small stains in the glass. Mullard, 7 digit code.	G1	90.00
ECC83 Grade One	Raytheon, Sylvania etc. USA made with logo. Test as Grade One. D or square getter GBP40 wholesale. Circle getter GBP30 wholesale.	G1	POA
ECC83 Grade One	Raytheon logo, Japanese Grade One.	G1	11.00

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
ECC83 Grade One	RCA logo, USA made 12AX7. Tested as Grade One. Square getter.	G1	45.00
ECC83 Grade One	RCA logo, USA made 12AX7. Tested as Grade One. O getter.	G1	32.00
ECC83 Grade One	Sylvania, USA 1950's made. D getter. These are given fantastic reviews in audio websites. Super audio sound. Enquire re bulk quantity.	G1	30.00
ECC83 Grade One	Tung-Sol, USA NOS early 1950's made. Special D getter otherwise known as horseshoe or stirrup getter. These are given fantastic reviews in audio websites. Super audio sound. Tested to Grade One.	G1	30.00
ECC83 USED	Amperex, Bugle Boy logo vintage. Holland manufacture with "ladder" anode. Clean, tested and 3 month guarantee. Tested used at 70 percent emission or more.	OB/WB	40.00
ECC83 USED	Brimar UK made. Used. D getter plate. White Brimar T logo	OB	30.00
ECC83 USED	Brimar with good logo and square getter . Used and tests approximately 70 percent. Guarantee.	WB	40.00
ECC83 USED	Brimar logo, UK made. O getter .	WB	30.00
ECC83 USED	Brimar logo, UK made. Used but decent appearance, good print. O getter. Guaranteed. Excellent in phono stage, sound is detailed, smooth, warm and rich. Used and test 50-60 percent emission. This is below normal "approved standard", but still useful for many applications. Due to low emission, a bargain price. Perfect NOS would sell around GBP65.	OB/WB	24.00 10 @ 20.00
ECC83 USED	Brimar logo, UK made. Tested around 65 or 75 percent emission. Used but decent appearance, good print. O getter. Guaranteed. Excellent in phono stage, sound is detailed, smooth, warm and rich. 4 pieces construction "A", 4 pieces construction "B", 2 pieces construction "C".	WB	30.00 4 @ 28.00 10 @ 26.00
ECC83 USED	GE, Raytheon Sylvania, D getter . Used tested. USA made. Larger quantities sometimes available.	WB	21.00
ECC83 USED	GE, Raytheon Sylvania, O getter . Used tested. USA made. Larger quantities sometimes available.	WB	12.00
ECC83 USED	EI, made in Yugoslavia. Used, tested and guaranteed. 12AX7. Telefunken Style Smooth Anode Plate.	WB	7.00
ECC83 USED	Mullard logo. UK made with guarantee. These test at 40 to 60 percent emission. Normal pass mark is 65 percent. Due to low emission, these are 4 times cheaper than NOS.	WB	21.00 16 @ 19.00
ECC83 USED	Mullard logo UK made, used. These test around 50 or 60 percent emission. This is below normal pass mark, but still useful for many purposes. Decent appearance, good print, guaranteed. 4 are box anode CV4004 M8137 4 are long anode Mullard UK.	WB	50.00 4 @ 45.00 8 @ 40.00
ECC83 USED	Mullard logo UK made, used. These test around 50 or 60 percent emission. This is below normal pass mark, but still useful for many purposes. Decent appearance, good print, guaranteed.	WB	40.00 16 @ 32.00
ECC83 USED	Mullard, logo, UK with box anode. CV4004 M8137 style. Used not new but tested. Guaranteed.	OB/WB	60.00
ECC83 USED	Mullard, logo, UK or Holland. D or square getter. Used not new but tested. Guaranteed.	OB/WB	140.00
ECC83 USED	Mullard, logo, UK ECC83 with normal ladder anode. O getter. Used not new appearance with some stains in the glass but decent appearance. Tested and guaranteed. Mullard, 7 digit code. Supplied in sets of 2 pieces identical appearance.	BB	36.00
ECC83 USED	RCA logo, USA made 12AX7. Used not new and some light stains in the glass. Tests approximately 65-75 percent gm. Square getter. 8 grey anode and 8 black anode.	WB	30.00 8 @ 25.00 16 @ 22.00
ECC83 USED	RCA logo, USA made 12AX7. Used not new and some light stains in	WB	21.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	the glass. Tests approximately 65-75 percent gm. O getter.		12 @ 17.00
ECC83 USED	RFT Mulhausen. Sed, tested guaranteed. Folded 1 piece anode gives low microphony.	WB/OB	12.00 8 @ 10.00
ECC83 USED	Telefunken logo, West German with <> mark. Some smooth anode, some ladder anode. Used not new appearance, but guaranteed. Good print. Tested around 65-75 percent emission approximate.	WB	38.00
ECC83 USED	Telefunken low emission . These test around 50 or 60 percent emission. This is below normal pass mark, but useful for some purposes. West German with diamond mark, logo and <>. Some smooth anode, some ladder anode. Decent appearance, good print, guaranteed.	WB	30.00
ECC83 USED	Tesla logo. Vintage made in Czechoslovakia. NOT JJ. Used tested. Matched pairs usually possible.	WB	10.00
ECC83 USED	Tungsram Hungary made in 1960s or 1970s with yellow print. 8 pieces look the same. Decent appearance but test somewhat lower (emission 65 or 75 percent). Many people say these make a great low cost alternative to Mullard, UK/RCA USA.	WB	16.00 8 @ 14.00
ECC83 USED	USA. Raytheon, Sylvania etc. With logo. With guarantee. These test at 40 per cent to 60 percent emission. Normal pass mark is 65 percent. Due to low emission, these are 4 times cheaper than NOS.	WB	9.00 25 @ 7.00
ECC83 USED	USA. RCA logo. With guarantee. These test at 40 per cent to 60 percent emission. Normal pass mark is 65 percent. Due to low emission, these are 4 times cheaper than NOS.	WB	15.00 15 @ 12.00
ECC83 / CV4035	Brimar logo, UK NOS. Wire ended ECC83, these are CV4035.	GVT	50.00
ECC84	Adzam logo, West European made. NOS. Adzam was part of Mazda West Europe. Audio B9A double triode. Data in our pdf catalogue.	OB	5.50 4 @ 4.80 300 @ 4.00
ECC84	Mullard logo, UK NOS. Audio B9A double triode. Photo & data http://www.r-type.org/exhib/aaa1325.htm Data http://www.shinjo.info/frank/sheetsE1.html Data: Vf=6,3V, If=330ma, Va=90V, Ik=22ma, S=6V, Pa=2x2W.	OB	6.50 4 @ 5.80 100 @ 4.50 More POA
ECC84	RFT German. NOS and guaranteed. Double triode, low noise and good for audio. Data http://frank.pocnet.net/vademecum2.html Near offers welcome for orders over 100 pieces.	OB	3.00 8 @ 2.00 300 @ 1.75
ECC84	Telefunken logo, West German. UK NOS. With diamond<>.	OB	12.00 8 @ 10.00
ECC85	East European. New tested guaranteed. Mixed brands RFT, Tungsram, other.	WB	10.50
ECC85	East German NOS. Tested, guaranteed. RFT made, many have logo.	OB/WB	10.50 4 @ 8.25 100 @ 7.50 200 @ 7.20
ECC85	Mullard, UK NOS.	Most OB	23.00 5 @ 20.00
ECC85	Telefunken <> tested. NOS. TFK logo West German <>.	OB	40.00 6 @ 37.50
ECC85	Telefunken logo West German. NOS <>. Wholesale price is GBP35. Sometimes available.	OB/GVT	POA
ECC85 / UCC85	RFT German made NOS. These are UCC85 which are a near equivalent to ECC85 but these UCC85's have a 26 volt heater. Clean and all identical with guarantee. UCC85 data: Vf=26V, If=100ma, Va=200V, Ik=10ma, S=5.8Ma/V, Pa=2x2.5W. ECC85 Russian are becoming rarer now and wholesale around 10gbp . These UCC85 are available in larger quantity and a bargain price. More UCC85 data http://tubedata.itchurch.org/sheetsU.html Photo www.tave.co.uk	WB	2.30 20 @ 1.70 100 @ 1.50 500 @ 1.30

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Deduct 25p if you accept in bulk pack, ie if you accept no WB.		
ECC85 Grade One	Mullard, UK/ Holland. Tested as grade one. Usually in stock.	G1	12.00
ECC85 USED	East European. RFT, Tungsram and other brands. Used, not new appearance tested, guaranteed.	WB	3.50
ECC85 USED	Mixed East European. RFT, Tungsram, Japan. Also some West Europe 3 mica and other brands. Used, not new appearance, guaranteed. No picking of brands allowed. They are mixed but you won't be disappointed.		50 @ 125.00
ECC85 USED	Made in USA or West Europe. Westinghouse, Brimar, Mazda and others. In sets of 2 pieces identical. Used, tested.	WB	7.00 20 @ 5.00
ECC85 USED	Mullard, logo, UK/ Holland. Not new appearance, but tested as used, 65-75 percent emission.	WB	10.00
ECC85 USED	Telefunken <> test around 50 percent emission. TFK logo West German <>. They test below usual standard, but still work in equipment.	WB	16.00 6 @ 13.00
ECC85 USED	Telefunken logo West German <>. Used with stains in the glass but many test over 75-80 percent emission.	WB	17.00 10 @ 14.00
ECC85	Please try 6DT8 alternative, not equivalent item.		
ECC86	Philips, Amperex and other West European. GE & other USA. NOS.	Most OB	12.00 4 @ 11.00
ECC86	Telefunken logo <> NOS. Audio double triode. In sealed cellophane wrapper and OB. Sealed cellophane can be opened for test, on request.	OB	35.00 4 @ 30.00 16 @ 25.00
ECC88	BILLINGTON GOLD. Your choice of Chinese or Slovakia. Guaranteed. New, tested.	OB	12.00 20 @ 11.00
ECC88	Brimar logo UK, NOS. Musical and rich sounding, these are the perfect complement for any preamp/driver stage using 6DJ8 or 6922. Few pieces only.	OB	18.00 8 @ 15.00
ECC88	Chinese. Tested, guarantee, NOS. At most, 20 pieces might be available.	WB	5.50
ECC88	EI Yugoslavian made. When available, GBP10 wholesale price.	WB	POA
ECC88	Fivre, made in Italy using RCA tools and RCA collaboration. Sold out, please enquire.		POA
ECC88	USA, Sylvania USA. Also Japanese made Westinghouse, Raytheon & Mazda. Sets of 2 pieces the same brand same appearance. 2 of this 2 of that. NOS tested and guaranteed, with logo.	Most OB	16.00 10 @ 15.00
ECC88	GE USA NOS. Black glass version. NOS clean tested guaranteed.	OB	27.00
ECC88	Japanese made Raytheon logo. NOS tested and guaranteed, with logo.	Most OB	13.00
ECC88	Japanese made, various non Raytheon brands. NOS, tested, guaranteed.	WB	12.00 20 @ POA
ECC88	JJ logo by Tesla, Slovakia. NOS. Gold pin. Printed E88CC. Tested and guaranteed.	OB	30.00
ECC88	Mullard logo NOS UK.	Most OB	33.00 8 @ 31.00
ECC88	Mullard logo NOS Holland.	Most OB	27.50 8 @ 25.00
ECC88	Russian 6N23P- EV or 6N23P- EB . Sometimes available.	OB/WB	17.50
ECC88	Russian NOS. Believed to be 6N23P / 6H23П Voskhod or Reflector factory, but printed only as "ECC88 Russian".	WB	7.50 10 @ POA
ECC88	Siemens West German not <> but great quality. 1970's made. Low noise, low microphony. Plenty of bass definition and a sweet mid band. Excellent in phono stages. Tested and guaranteed. Price is per tube, inquire about match pairs.	OB/WB	35.00
ECC88	Sylvania logo USA NOS. Sets of 2 or 4 pieces of the same appearance. Tested and guaranteed.	Most OB	20.00 10 @ 17.50

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TYPE	COMMENT	BOX	£ GBP PRICE each
ECC88	Telefunken logo West Germany. NOS. With <> mark, when available.	OB	75.00
ECC88	Tesla logo, grey pin. 1970's made in Czechoslovakia. Plenty of bass definition and a sweet mid band. Excellent in phono stages NOS and guaranteed.	OB/WB	14.00 16 @ 12.50
ECC88	Tungsram Hungary NOS. Natural sounding, extended top end, tight bass sound. Very good tonal balance and clarity. Tested, identical, guaranteed.	WB	25.00
ECC88	Please refer to 6BQ7A, NOS. Good quality Japanese, in stock.		
ECC88 Grade One	Amperex, Holland with Bugle Boy logo. Tested as Grade One, with guarantee.	G1	20.00
ECC88 Grade One	Brimar logo UK. Test as Grade One. Musical and rich sounding, these are the perfect complement for any preamp/driver stage using 6DJ8 or 6922.x 25	G1	11.00 8 @ 9.00
ECC88 Grade One	Mullard, UK/Holland with logo. Grade One tested and guaranteed.	G1	20.00 20 @ 16.00
ECC88 Grade One	Japanese made Raytheon. Tested and guaranteed, with logo. Mostly unused appearance but some are unbalanced anodes, some test only 80 percent emission. (NOS perfect would test at 100 percent). Still suitable for many applications.		10.00 100 @ 8.00
ECC88 USED	Brimar logo UK. Test as used, guaranteed. Musical and rich sounding, these are the perfect complement for any preamp/driver stage using 6DJ8 or 6922.	WB	7.50 16 @ 6.00
ECC88 USED	Fivre logo made in Italy. Musical and rich sounding. Used, tested and guaranteed.	WB	8.00 6 @ 6.00
ECC88 USED	GE USA NOS. Normal version. Used clean tested guaranteed.	WB	7.00
ECC88 USED	Mullard logo UK/Holland. Used, not new appearance but tested and guaranteed.	BB	16.00 12 @ 14.00
ECC88 USED	Sylvania, GE, RCA, Westinghouse. USA, used, tested with logo and guarantee. They have good bass definition and a sweet mid band. Excellent in phono stages. Sets of 4 pcs identical.	Most OB	7.50 12 @ 7.00
ECC88 USED	Tungsram Hungary. Look new, but test used (2 anodes are not balanced). Natural sounding, extended top end, tight bass sound. Very good tonal balance and clarity. All look identical, tested guaranteed.	WB	13.00
ECC88	Please refer to 6350, possible alternative . Adapters can be found on the Internet to convert 6350 into 6SN7, ECC88, etc.		
ECC89	Mullard logo UK NOS. Audio double triode, similar to ECC88 but different pin out. 1 half of ECC89 is variable mu. They suit automatic gain control, eg in studio compressors. Equivalent to 6FC7.	OB/WB	8.00 20 @ 5.00 100 @ 3.60
ECC91 / 6J6 / WA	Westinghouse, Sylvania, Raytheon. USA NOS. Data below. At this price they are NOS, guaranteed but untested. Print may vary, some are egg crate / bulk pack.	OB/WB/BP	2.40 20 @ 2.00 300 @ 1.40
ECC91 / CV4031/6J6	Mullard, UK with logo. NOS. Audio double triode. Possible alternative to ECC81, but not equivalent. ECC81 has B9A base, ECC91 has B7G base, and there is also a common cathode. Equivalent to 6J6 and 6101. Data http://tubedata.itchurch.org/sheetsE.html	GVT	3.00 100 @ 2.70
ECC91 / CV4031/6J6	Mullard, UK. Audio double triode. Genuine military print, but no logo. NOS. Possible alternative to ECC81, but not equivalent. ECC81 has B9A base, ECC91 has B7G base, and there is also a common cathode. Equivalent to 6J6 and 6101.	GVT	2.75 100 @ 2.40 400 @ 1.75
ECC91	Please refer to 6J6 for an exact equivalent.		
ECC99	JJ NOS gold pin. Very similar to 12BH7 and is interchangeable in some situations. Suits Transcendent Sound amps. Similarities to 6N6P, E182CC.	OB	16.00 4 @ 14.00
ECC189	Toshiba and other Japan, NOS. Audio type.	OB/ WB	8.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
			12 @ 7.50
ECC189	Bentley Acoustic & other Russian. NOS Possible audio type.	OB/ WB	6.00
			25 @ 4.50
ECC189	Mullard, logo UK NOS. Audio type.	OB/GB	12.00
			10 @ 11.00
ECC801S	Mullard logo UK NOS with gold pin tested, guaranteed. Low noise, low microphony. Double suture anode construction.	Most OB	POA
ECC801S	Siemens, NOS. Long life 20,000 hour version. Falcon logo. Bundeswehr BWB version. Siemens Munich. Copper grid posts.	OB	POA
ECC801S	Telefunken logo, West German NOS with ◊ mark.	OB	POA
ECC801S USED	Mullard logo, UK with gold pin printed ECC801S. Used, decent appearance, tested, guaranteed. Low noise, low microphony. Double suture anode construction.	WB	POA
ECC801S USED	Telefunken logo, West German. Used. Tested with ◊ mark.	WB	POA
ECC801S / 13D9	SOLD. Please ask Martin for more details. These are 13D9 Brimar logo UK made, NOS, black anode. Similar to ECC81 / ECC801S. Many consider the higher anode current to be an advantage. Same pin out as ECC81.	Most OB	POA
ECC802S	Tesla logo, vintage Czechoslovakia. 1970s.	OB	25.00
ECC802S	Telefunken logo, West German with ◊ mark. NOS tested guaranteed. Sets of 2 pieces that look the same.	OB	300.00
ECC802S Grade One	Telefunken logo, West German with <> mark. Grade one, tested and guaranteed. 2 pieces of the same appearance. Look decent, don't look new.	G1	POA
ECC803S	BILLINGTON GOLD. Chinese made NOS. Gold pin. Individually tested within very tight limits With guarantee. A good reputation worldwide.	OB	20.00
ECC803S	JJ logo, recently made. New, grey pin tested guaranteed.	OB	8.00
			10 @ 7.50
			50 @ 7.00
ECC803S	Tesla logo, vintage made, not JJ. NOS, tested and guarantee.	OB	50.00
ECC803S	China. Gold pin, new, clean, tested and guaranteed.	OB	14.00
			30 @ 9.00
ECC803S Grade One	Tesla old logo. Gold pin. NOT JJ. Grade one, looks new.	OB	37.00
ECC803S USED	Tesla logo, vintage made, not JJ. Tests used, guaranteed.	OB/WB	8.00
ECC804	Mazda logo. UK NOS. Audio double triode.	Most OB	12.00
			30 @ 10.50
			150 @ 9.50
ECC807	Brimar logo UK NOS. Very rare item.	OB	115.00
			4 @ 100.00
ECC807 Grade One	Brimar logo UK. Tested as Grade One. Small stains in the glass.	G1	65.00
ECC807 USED	Brimar logo UK. Used, tested, clean. Very rare.	WB	55.00
			5 @ 48.00
ECC808	Mazda Belvu logo, made in France NOS. ECC808 has the same characteristics as ECC83, but with a different pin-out.	OB	44.00
			6 @ 37.00
ECC808	Telefunken logo, West German. Diamond between pins <>. NOS, tested. Very clean appearance.	OB	51.00
			6 @ 49.00
ECC808 USED	ECC808 Used. Telefunken logo, West German. Diamond between pins <>. Test as used but very clean appearance.	OB/WB	21.00
			10 @ 19.00
ECC8100	Telefunken logo and diamond "◊" mark. NOS. Gold pins. Similar to ECC81, not equivalent. Data available.	OB	25.00
			2 @ 22.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
ECC2000	Mullard, logo UK NOS. Audio triode, gold pin. Data http://electronbin.com/sheetsE.html	Mot OB	11.00 32 @ 8.50
ECF12	Believed Telefunken or Siemens West German manufacture but National brand and box.	OB	20.00
ECF80	200 x Japan NOS.	OB/WB	4.50 6 @ 4.00 300 @ 3.00
ECF80	Brimar logo UK NOS.	OB/WB	9.00 20 @ 7.00
ECF80	Mullard, logo NOS. West Europe made, audio triode pentode. Photo www.tave.co.uk Data Vf=6.3V, If=430ma, Va=250V, Ik=14ma, S=6.2Ma/V, Pa=1.7W, or http://tubedata.itchurch.org/sheetsE1.html	Most OB	12.00 10 @ 9.00 30 @ 7.50
ECF80	NOS. Yugoslavian made. Includes Siemens.	OB	4.50 10 @ 3.00 200 @ 2.50
ECF80	RCA, Sylvania, Westinghouse. USA NOS with logo.	OB	4.50 6 @ 4.00
ECF80	50 x Sovtek original box, 200 Tungfram Hungary. 50 mixed USSR. All NOS. Deduct 25p if you accept them without a box.	OB/WB	4.50 6 @ 3.50 300 @ 3.00
ECF80	West Europe, Mazda logo or Brimar logo. NOS. 30 pieces.	OB/WB	7.00 30 @ 5.00
ECF80 / E80CF	E80CF Westinghouse USA grey pin. E80CF is near equivalent to ECF80	OB	4.50
ECF80 USED	Mullard logo UK / Holland. Used and test 65-75 percent emission.	WB	5.00 20 @ 4.00
ECF80	Please refer to E80CF		
ECF82	Tungfram made in Hungary with "international" logo & international box. NOS. Useful audio tube. Data on request. Bargain price! Colourful OB. This tube replaces 7199 by fitting an adapter. We can advise you suppliers of adapters.	OB	4.00 20 @ 3.50 300 @ 3.00
ECF82 / 6U8A	Mullard logo UK. NOS. Few only.	Most OB	12.00
ECF82 / 6U8A	GE, RCA and major USA manufacturers. With logo.	OB/GVT	5.00
ECF82 / 6U8A	Mullard logo Japan NOS.	Most OB	15.00 10 @ POA
ECF82 / 6U8A	Brimar logo UK NOS.	Most OB	7.50 50 @ 5.60
ECF82 / 6U8A USED	Mullard logo, used and tested.	WB	7.50 20 @ 5.00
ECF82	Refer to 6U8A and 6AU8A USA made, low price, near equivalent.		
ECF86 / 6GH8	Audio triode pentode. Telefunken logo, West German with diamond mark <>. NOS NIB, in original sealed cellophane and original boxes. Data http://electronbin.com/sheetsE.html	OB/WB	7.00 4 @ 4.00 200 @ 3.20
ECF86 / 6GH8	Audio triode pentode. Philips logo West European made, NOS NIB. Data http://electronbin.com/sheetsE.html	OB	3.00 10 @ 2.20 200 @ 1.80
ECF201	Philips logo. Holland NOS. Equivalent to 6U9. B9A base Triode- Pentode, the triode section has audio applications. Data http://electronbin.com/sheetsE.html	Most OB	2.50 40 @ 2.00
ECF802	Ei Yugoslavia NOS.	OB/WB	3.00 10 @ 2.50 90 @ 2.00
ECF802	Telefunken logo, West German. NOS. Diamond between pins <>. Plus other West European NOS.	Most OB	7.00 20 @ 6.00
ECF803	Audio tube. Telefunken logo, West German with diamond mark <>.	OB	10.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	NOS NIB. Data http://electronbin.com/sheetsE.html		10 @ 8.00
ECH4	Philips Holland red metal. ST shape. NOS, with logo.	WB/OB	17.00 10 @ 13.00
ECH11	5 x Telefunken, 5 x Valvo. West German, NOS, with logo.	Most GB	20.00 10 @ 15.00
ECH11 Grade One	Telefunken / Valvo. New but store soiled. Tested as Grade One. Antique German radio valve.	G1	14.00 10 @ 11.00
ECH35	Mullard, UK NOS. 50 pieces Gold painted ST shape, printed 'ARTH2'. 50 pieces grey GT shape.	GVT/WB	4.00 50 @ 3.20
ECH42	Philips logo. NOS Holland. Mesh anode.	WB	3.40 100 @ 2.75
ECH42	Tungsram NOS, made in Hungary.	OB/WB	3.00 6 @ 2.67 200 @ 2.00
ECH42	West European brands	OB/WB	3.50
ECH81	Chinese. New tested clean guaranteed. Photo www.TAVE.co.uk Data www.r-type.org/exhib/aaq0125.htm Near offer considered if ordering 100+ pieces.	WB	3.25 20 @ 2.40 500 @ 1.75
ECH81	Mullard logo, West European, NOS. Fits certain audio equipment.	OB	6.50 10 @ 6.00
ECH81	Raytheon logo, NOS. Russian made. Clean guaranteed. Data www.r-type.org/exhib/aaq0125.htm	WB	4.00 10 @ 2.80 200 @ 2.40
ECL80	125 Mullard, 125 Mazda & 250 Philips. West European made. NOS, with logo. Fits certain audio equipment. Data http://tubedata.itchurch.org/sheetsE1.html	OB	5.00 4 @ 4.50 500 @ 3.50
ECL82	BILLINGTON GOLD, made in Japan. With guarantee. Please refer to page 6 for full details.	OB	13.00
ECL82	Brimar logo, made in West Europe.	Most OB	25.00 8 @ 20.00
ECL82	Japanese. NOS, guaranteed. Toshiba made but unbranded in bulk pack egg trays of 100. 300 stock. Minimum order 100 pieces.	BP	100 @ 4.75
ECL82	Mazda logo Japanese. NOS tested guaranteed.	Most OB	13.00 10 @ 12.50 100 @ 10.00
ECL82	Mullard, UK/Holland NOS. Very limited quantity.	OB/WB	30.00
ECL82	Raytheon logo, Japanese. NOS tested guaranteed.	Most OB	13.00 10 @ 12.50 100 @ 10.00
ECL82	Russian/East Europe. NOS. With guarantee.	WB	12.00 10 @ 10.00
ECL82	USA, West Europe. NOS. Tested, guaranteed.	OB/WB	13.00 16 @ 12.00
ECL82 Grade One	Mullard, test as grade one. Decent appearance, not new appearance. UK/Holland. Most with logo.	OB/WB	16.00 Bulk @ POA
ECL82 USED	Westinghouse USA, MAZDA or Brimar West Europe, with logo. Used not new. Tested with guarantee.	WB	7.00 20 @ 5.00
ECL82	Try UCL82 for low cost possible alternative, not equivalent [different heater voltage].		
ECL83	Mullard, logo. UK NOS. Alternatively refer to UCL83 partly similar with different heater voltage.	OB/WB	12.00
ECL83 USED	Mullard, UK. Used, test 65 percent emission and guarantee.	WB	5.00 10 @ 4.00
ECL84	Mullard, logo UK NOS 6DX8 / ECL84. Audio pre-amp tube. Data http://scottbecketr.net/tube/sheets/010/e/ECL84.pdf .	OB	4.50 50 @ 3.50
ECL85 / 6GV8	Russian, Tungsram Hungary, Japan. 20 of this, 30 of that. NOS.	BP	4.50

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
	An audio type. Equivalent to ECL805. These are bulk pack, egg crate. Add 25p if white box & label required. Data http://frank.pocnet.net/sheetsE2.html		100 @ 2.50
ECL86	Mullard, logo UK NOS.	OB	50.00 4 @ 40.00 8 @ POA
ECL86	Everything except Mullard. New, tested guaranteed. Very mixed. 12 only, spread over 6 or 7 brands. East European, Japan, USA. Matched pairs not possible regretfully. 2 pieces of same appearance might exist.	OB/WB	28.00 10 @ 22.00 50 @ 20.00
ECL86	Zaerix logo. NOS, tested. Believed to be made by Tungsram in Hungary. All the same appearance.	OB	28.00 10 @ 22.00 50 @ 20.00
ECL86 USED	Mullard, logo UK. Used tested.	WB	25.00
ECL86 USED	Everything except Mullard. Tested guaranteed. Very mixed. 8 only, spread over 5 brands. East European, Japan, USA. Matched pairs not possible. 2 pieces of same appearance might exist.	OB/WB	14.00
ECL200	Telefunken logo, West Germany. NOS. 10 pin audio triode/pentode.	OB	8.50
ECL805	Russian, Tungsram Hungary, Japan. 20 of this, 30 of that. NOS. An audio type. These are bulk pack, egg crate. Add 25p if white box & label required. Data http://frank.pocnet.net/sheetsE2.html	BP	4.50 100 @ 2.50
ECLL800	Mix. West European made NOS. Few only.	OB	35.00
EE160AL	Matchlett USA. NOS. 5 pieces in stock.	WB	Offers
EF6	Mullard / Philips NOS. Red coated.	OB	35.00
EF11	Mullard, and Philips NOS. If you buy the tube a socket is free.	OB/WB	15.00 5 @ 12.50
EF12 / EF804	East German by RFT, etc. NOS, tested and guarantee. Data: Vf=6.3V, If=240ma, Va=250V, Ik=3ma, S=2.1Ma/V, Pa=1.5W. You can buy adaptor's to convert EF12 to EF804, please enquire. Approximately GBP35.00 wholesale if available.	OB/WB	POA
EF14	Made in East German by RFT, etc. NOS, Suits Neuman condenser microphone, U47, etc. Sockets sent as free gift with each EF14.	OB/WB	70.00
EF14	Please refer to 6028 for possible alternative (not equivalent). EF14 is small and will fit inside a microphone. EF14 data: Vf=6.3V, If=470Ma, Va=250V, Ik=12Ma, S=7Ma/V, Pa=5W 6028 data: Vf=20V, If=50Ma, Va=120V, Ik=9Ma, S=5Ma/V, Pa=1.7W More data for both www.tubedata.org		
EF22	Mullard, UK NOS CV303. Near equivalent to EF39 and EF92 but has different base. A metal loctal based remote cut-off audio pentode tube. Suitable for audio compressors and Murphy B40 receiver. New, unused, guaranteed. But the metal can has small scratches due to long-time storage. Half price, due to imperfect appearance. Data http://electronbin.com/sheetsE1.html	GVT	3.20 10 @ 2.00 100 @ 1.20 500 @ 1.00
EF22 Grade One	Mullard, UK [CV303]. A potential audio type. Data: Vf = 6.3V, If = 200 Ma, Va = 250V, Ik = 10Ma, s = 2.2 Ma/V. Sockets in stock. These items are unused with guarantee. Store soiled appearance. NOS price is GBP 5.55 each.	GVT	3.20 10 @ 2.00 100 @ 1.20 500 @ 1.00
EF36	Mullard UK NOS. Grey metal, shoulder shape.	GVT	21.00
EF36	Exact equivalent to EF37A .		
EF36 Grade One	Mullard, UK audio type. CV1056. UK, grey metal, shoulder shape, black base. These items are NOS unused with guarantee. But store soiled appearance . Small stain on the grey metal, some have small crack in the base. Sold at grade 1 price.	GVT	13.20 10 @ 12.00 100 @ 10.20
EF37	Refer to EF37A for better quality, lower noise version.		
EF37 / EF36 USED	Mullard, UK EF36, NOS. These EF36 are near equivalent to EF37. Tests as used. Guaranteed.	WB	5.00 50 @ POA
EF37A	ITT / STC logo, UK made. Grey metal, straight sides.	OB	15.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	NOS audio pentode.		10 @ POA
EF37A	Mullard logo, UK. NOS, red metal, shoulder shape.	GB	34.00 4 @ 32.00
EF37A	Mullard logo, UK. NOS, red metal, straight sides, GT shape. Audio pentode. EF37A.usually works as a plug in replacement for 6J7G.	GB	20.00
EF37A	Mullard, UK. Grey metal. GT or shoulder shape.	OB/WB	15.00 10 @ 14.00
EF37A	Rogers Canada made. Black coated straight sides. NOS audio pentode.	GB/WB	15.00 10 @ 13.00
EF37A 5A-102D	ITT / STC logo, UK made. Grey metal, straight sides. NOS audio pentode.	OB	27.00 10 @ POA
EF37A Grade One	Some ITT logo, some other logos. All STC/ ITT UK made. Test near new, don't look new, look decent. Grey metal, straight shape. Guaranteed. Bargain price. Sets of 4 pieces of the same appearance.	G1	11.00 10 @ 10.00 100 @ 8.00 200 @ 7.00
EF37A Grade One	Mullard. Tested as Grade One. Red metal GT shape.	G1	12.00 12 @ 10.00
EF37A Grade One	Mullard logo. Tested as Grade One. Red metal. Shoulder shape.	G1	16.00 20 @ 12.00
EF37A Grade One	Mullard logo. Tested as Grade One. Grey metal. GT shape.	G1	9.00 2 @ 8.00 36 @ 6.00
EF37A Grade One	Mullard CV1056. UK Grade 1. Test as new but small crack in base. Grey metal, shoulder shape.	G1	
EF37A Grade One	Red metal shouldered shape. Test to Grade One standard.	G1	16.00
EF37A USED	Mullard UK/Holland. Red metal with logo. ST shape. Used not new but tested and guarantee.	WB	10.00
EF37A USED	Mullard UK, grey metal, GT shape. Used tested	WB	6.50
EF39	Hytron logo, USA. NOS. Brass colour metallizing, straight (GT) sides. Some are printed VR53.	OB/WB	5.00 20 @ 4.00
EF39	RTC / Mullard logo, NOS. France/Holland. Red metal shoulder shape. Audio type.	OB/WB	20.00 20 @ 16.00
EF39	Mullard logo, NOS. UK/Holland. Red metal with straight [GT] sides. Audio type.	WB	8.00 10 @ 6.00
EF39	Mullard logo, UK NOS. Grey metal with straight (GT) sides.	GB	5.00 50 @ 4.00
EF39	Mullard logo, UK NOS. Grey metal with shoulder shape.	GB	8.00 10 @ POA
EF40	Philips / Mullard, UK/Holland. Similar to EF86 but EF86 has a B9A base, EF40 has a rimlock base. Socket ref SOC 89SKS from stock fits this. Data EF40 EF86: http://Tubedata.Itchurch.Org/Sheetse2.Html Photo www.tave.co.uk	OB/WB	9.50 12 @ 9.00
EF40	Made by Tungsram in Hungary. But Zaerix logo. New tested guaranteed. Similar to EF86 but EF86 has a B9A base, EF40 has a rimlock base. Socket ref SOC 89SKS from stock fits this. Data on EF40 & EF86 at http://Tubedata.Itchurch.Org/Sheetse2.Html Photo www.tave.co.uk	OB	6.00 30 @ 4.00
EF41	Philips Holland NOS. Similarities to EF86, but not the same. Data http://electronbin.com/sheetsE1.html Socket ref SOC 89SKS from stock fits this.	OB/WB	12.50
EF41	East European. 50 pieces all the same appearance.	WB	6.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Similarities to EF86, but not the same. Data & sockets for EF42 see Philips paragraph below.		50 @ 4.80
EF42	Philips / Mullard, UK/Holland. Similar to EF86 but EF86 has a B9A base, EF40 has a rimlock base. Socket 89SKS from stock fits EF40. Data for EF42 EF86 http://tubedata.itchurch.org/sheetsE2.html Photo http://www.r-type.org/exhib/aab0167.htm	OB/WB	6.00 10 @ 4.40 150 @ 4.00
EF50	Mullard, UK NOS.	OB/WB	3.00 50 @ 2.40
EF54	Audio tube. Mullard UK NOS CV1136. Some similarities to EF86 but EF54 has a B9G base. Sockets available from us, OR the Chinese factory. [SOC9EF50]. Data: EF86: Vf 6.3V, If 200Ma, Va 300V, Ik 6Ma, S 1.8 Ma/V. EF54: Vf 6.3V, If 300Ma, Va 250V, Ik 10 Ma, S 7.7Ma/V. Apply 60V to the EF54 third grid and feed the filaments with DC for hum free audio sound. Data www.tubecollector.org/ef54.htm Photo www.tave.co.uk	GVT	4.50 500 @ 3.75
EF55	Mullard logo. UK NOS. Some red metal, some other colours. Photo/data http://www.r-type.org/exhib/aaa1363.htm	OB	6.00 20 @ 2.20 200 @ 2.00
EF70	Audio pentode. These CV4508, similar to EF70, Mullard UK, NOS. A sub miniature high slope pentode, wire ended. Deduct 25p, if you accept bulk pack/egg crate instead of white box. Data/picture: http://electronbin.com/sheetsE1.html & https://www.tubecollector.org/cv4508.htm	WB	5.00 100 @ 4.00
EF72	Audio pentode. Equivalent to CV4501, CV465 and 5840. These are Mullard, UK, superior quality to 5840 USA made. You will receive Mullard, UK CV4501. NOS. A sub miniature pentode, wire ended. CV465 data http://www.tubecollector.org/cv465.htm 5840 data http://tubedata.itchurch.org/sheets51.html Photo www.tave.co.uk	GVT	5.50 20 @ 4.50 250 @ 4.00
EF73 / 7433	Please refer to the entry "5840 / CV4502", around page 70 for stock and prices		
EF80	Mullard, logo. UK. NOS.	OB/WB	5.00 20 @ 4.00 100 @ 3.75
EF80 / 6BX6	B9A base audio pentode. West European made NOS with logo. 30 x MiniWatt Dario, 300 pieces RT/RTC in Philips OB. Data http://electronbin.com/sheetsE1.html	OB	3.50 20 @ 2.00 700 @ 1.75
EF80	Telefunken logo. West German. NOS. With <>.	OB	8.00 8 @ 7.00
EF83	West European made NOS. Approx 2 each of Amperex, Mullard, Philips & Telefunken.	Most OB	5.75 80 @ 5.00
EF85	Mullard or Mazda. UK NOS with logo. Includes Mazda 6F19 & Mazda 6F26 equivalents. Great appearance. Audio pentode.	OB/GVT	5.00 50 @ 4.00
EF85	Siemens. East Europe NOS. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheetsE2.html	OB/WB	5.00 30 @ 4.00 100 @ 3.50
EF86	BILLINGTON GOLD, Russian. With guarantee.	BG	12.00 10 @ 11.00
EF86	These are 8D8 Brimar logo UK NOS. 8D8 is a special quality EF86. Quantities usually very limited.	OB/WB	40.00
EF86	China, new. All tested and guaranteed.	WB	9.00 5 @ 7.50
EF86	GEC sticker. UK NOS CV4085. 2 only.	OB/WB	2 @ 75.00
EF86	Marconi UK with mesh anode.	GVT	50.00
EF86	Mullard, logo UK NOS. Tested, guaranteed. Mesh anode.	OB	30.00
EF86	Mullard, logo Holland /other West European NOS. Tested, guaranteed.	OB	25.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Mesh anode.		50 @ 24.00
EF86	Mullard, logo UK/NOS D or square getter. Tested, guaranteed. Mesh anode.	OB	35.00 8 @ 34.00
EF86	RFT, Tesla, Tungsram, East European made. NOS. Quantities usually very limited.	OB/WB	10.00
EF86	Russian. Svetlana made but no logo. Small quantities in stock. 100 available with a two-week delay.	OB/WB	9.50 100 @ 7.50
EF86	Telefunken, West German with logo and <> diamond mark. If available GBP65 wholesale. Limited quantity only.	OB	POA
EF86	Valvo logo West Europe NOS. Tested, guaranteed.	OB	25.00 5 @ 24.00
EF86	Please refer to 3B4 for alternative, not equivalent item with B7G base, 1.25V heater.		
EF86	Please refer to 6BR7 , made by Brimar UK, which has lower microphony and a different pin out.		
EF86	Please refer to 7432 for a possible alternative, not equivalent with a lower voltage rating and wire-ended base.		
EF86	Please refer to CV4086 for wire-ended equivalent.		
EF86	Please refer to E83F for a possible alternative, not equivalent with some similarities.		
EF86	Please refer to EF54 for alternative, not equivalent with some similarities but different base. These wholesale at around GBP1.20 in comparison with Mullard, EF86 costing GBP15.00 wholesale!		
EF86	Consider EF183 as a possible alternative, not equivalent with higher gm.		
EF86 Grade One	Mullard, logo, made in UK/Holland. Tested as Grade One.	G1	15.00 16 @ 12.00
EF86 Grade One	Telefunken, West Germany with logo and ◊ mark. Matched quads usually available. 38 pieces silver anode and 20 pieces grey anode. All tested as Grade One, emission is 80 percent or more.	G1	37.00 8 @ 30.00
EF86 Grade One	Z729 GEC sticker sometimes available GBP36 wholesale price. UK made.	G1	POA
EF86 USED	Z729 GEC sticker sometimes available GBP27 wholesale price. UK made.	WB	POA
EF86 USED	Mullard, UK/Holland with logo. These are used, not new appearance but tested. With guarantee.	BP	12.00 10 @ 11.00
EF86 USED	Telefunken, West Germany. Test as used. Guide price GBP24 whole- sale if available. Diamond between pins <>.	WB	24.00
EF86 / 9D7	These 9D7 have higher gm, and variable mu compared to EF86, but are partly similar to EF86. Brimar logo. Both are B9A base. UK NOS. possible audio type. Please note these are 9D7. 9D7: Vf 6.3V, If 300Ma, Va 250V, Ik 10Ma, S 8.40 Ma/V, Pa 2,7w. EF86: Vf 6.3V, If 200Ma, Va 300V, Ik 6 Ma, S 1.8Ma/V.	OB	5.00 8 @ 4.00 50 @ 3.00
EF86 / 18042	These are 18042 audio pentode, Valvo logo or Mazda logo. West Europe. NOS. Gold pin. 18042 has some similarities to EF86 AND C3M but not equivalent. 18042 and EF86 are B9A base. EF86: Vf 6.3V, If 200Ma, Va 300V, Ik 6Ma, S 1.8 Ma/V. C3M: Vf 20V, If 125Ma, Va 300V, Ik 30Ma, S 7.2 Ma/V, Pa 4w. 18042: Vf 18V, If 100Ma, Va 210V, Ik 16Ma, S 8.2 Ma/V. More data http://www.mif.pg.gda.pl/homepages/frank/vs.html These are 18042 tubes.	Most OB	5.00 200 @ 4.00
EF86 / CV4086 USED	GEC sticker UK NOS. Used but guaranteed . Probably only used for 5 hours, but they are soldered into sockets. Due to solder issues they're cheap. These are equivalent to EF86 but have flying leads/wire ended. Wire-ended valves can be soldered directly into a PCB to give extra low noise advantage. Very rare.	WB	27.00 10 @ 20.00
EF86 / CV4086	GEC sticker UK NOS. Clean, tested and guaranteed.	GVT/WB	55.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	These are exact equivalent to EF86 but have flying leads/wire ended. Wire-ended valves can be soldered directly into a PCB to give extra low noise advantage. 2 ONLY. Very rare.		
EF86 / RTR4341	These are RTR4341 Ericsson logo NOS. Sweden. ST shape. Require large B7 socket. (SOC7PT4C socket from our stock). Audio pentode with some similarities to EF86 and C3M but not equivalent. EF86 - Vf 6.3V, If 200Ma, Va 300V, Ik 6Ma, S 1.8 Ma/V, C3M - Vf 20V, If 125Ma, Va 300V, Ik 30Ma, S 7.2 Ma/V, Pa 4w RTR4341 - Vf 21V, If 285Ma, Va 125V, Ik 8Ma, S 8.3 Ma/V, Pa 1.2w Vade mecum data here https://tubedata.altanatubes.com.br/search/ These are RTR4341 tubes. Near offers considered for 100 pieces.	OB	7.00 2 @ 6.66 20 @ 5.00 100 @ 4.00
EF86 / CV4086	USSR made NOS. These are CV4086 ,equivalent to EF86 but have flying leads/wire ended. Wire-ended valves can be soldered directly into a PCB to give extra low noise advantage. Very rare.	WB	12.00 6 @ 10.00
EF86 / UAF42	These UAF42 have similarities to EF86. Philips NOS. West European made. A popular RF/IF amplifier tube. Rimlock B8A socket to fit from stock, REF SOC89SKS. Photo www.tave.co.uk/wholesale/product.asp?ID=2998 Data http://tubedata.itchurch.org/sheetsU.html Good quality B8A sockets are also made in China (socket fits UAF42, EL41, EF40, ECC40 & AZ41). UAF42 is a diode - pentode. The pentode section is similar to EF86. UAF42 data: heater 12.6v at 100mA, anode 200v, screen 85v. Grid -2V. Anode 5 mA. Emission 2.0 MA/V.	BP/WB	2.00 8 @ 1.34 200 @ 1.25 3,000 @ 1.20
EF89	East European including Tungsram. New tested guaranteed.	OB/WB	5.00 10 @ 4.50
EF89	Mullard NOS, with logo. West European made.	Most OB	9.00 100 @ 7.20
EF89 USED	Valvo logo, West German made. Used tested guaranteed. Deduct 0.25 GBP if you accept without a white box.	WB	4.00 10 @ 3.50 100 @ 3.20
EF91 / 6AM6S	Thomson logo USA NOS. Partly similar to EF86. B7G base audio pentode. EF91 – Vf=6,3V, If=450Ma, Va=250V, Ik=20Ma, S=7,7Ma/v EF86 – Vf=6,3V, If=200Ma, Va=300V, Ik=6Ma, S=1,8Ma/v EF95 – Vf=6,3V, If=175Ma, Va=180V, Ik=18Ma, S=5,1Ma/v, Pa=1,7W. More data http://tubedata.itchurch.org/sheets62.html	OB/GB	2.50 300 @ 1.75
EF91 / 6F17 / S6F17 / CV4040	These are 6F17 STC/ ITT logo. NOS Audio Pentode. For more info, refer to S6F17 elsewhere in this list.	GVT	4.00 5 @ 3.20 400 @ 2.80
EF91 / CV2000	Brimar (EF91 fly leads) 5A/159N or CV2000. NOS. 1960s vintage British made. Long lasting good quality NOS signal pentode. These are CV2000 or 5A/159N, they are exact equivalent of EF91 but wire ended / flying leads. Photo www.tave.co.uk . Audio pentode data www.tubedata.org or contact our office.	Mostly GVT	2.50 100 @ 2.20 600 @ 2.00
EF91 / CV4014	Mullard, UK. CV4014. NOS. Audio type. Genuine Mullard, but GVT print instead of a Mullard, logo. Price is negotiable for orders of over 500 pieces in one consignment.	GVT	3.00 100 @ 2.00 500 @ please ask 2,000 @ please ask
EF91 / CV4014	Mullard, UK CV4014. NOS. Audio type. Mullard logo. Bulk pack items are 25p less than the following price. Price is negotiable for orders of over 500 pieces in one consignment.	GVT	3.50 2 @ 3.33 100 @ 3.00 500 @ please ask 2,500 @ please ask
EF91 / 5A-189K	STC logo, UK NOS with logo. Exact equivalent to EF91. B7G based audio pentode. Data www.tubedata.org . Photo www.tave.co.uk search for EF91. Possible audio pentode.	GVT	5.00 10 @ 4.00 50 @ 3.00 400 @ 2.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
EF91	Brimar UK made (fly leads) CV4002 NOS. These are unused, OB, but these are new, un-used product in original boxes, showing traces of storage corrosion. Due to physical appearance these are half price. 1960s vintage British made. Long lasting good quality NOS signal Pentode. Equivalent to EF91 or 6064 except for the wire leads. Photo at www.tave.co.uk Data www.tubecollector.org/cv4002.htm	Most GVT	1.25 100 @ 1.00 1,200 @ 0.90
EF91	Please refer to CV20000 and 6F33 similar but not exactly the same.		
EF92	Brimar red logo. UK NOS. D getter. Shiny black plate.	WB	7.00 20 @ 6.00 100 @ 5.00
EF92	Mazda UK NOS. Perforated anode. Square getter.	OB/WB	8.00 20 @ 7.00
EF92	Mullard logo, UK NOS. Shiny smooth anode plate. Some similarities to EF86. In audio circuits, employ a DC supply for low noise. EF92 suits Little Dot Headphone Amplifier. Data http://www.r-type.org/exhib/aaa0064.htm	GVT/OB	5.00 20 @ 4.50 100 @ 4.00
EF92	Mullard logo, square getter. UK NOS. Shiny smooth anode plate. Some similarities to EF86.	OB/WB	7.50 20 @ 6.50 100 @ 5.50
EF92	Philips logo, UK NOS. Please see the EF92 Mazda paragraph, for data. More than 20 pieces may exist.	Most OB	5.00 20 @ 4.50
EF95	Mullard, UK, CV4010. Genuine Mullard item but government print, no Mullard logo.	GVT	6.50
EF95	Mullard logo, UK, NOS. Not CV4010.	WB	7.50 10 @ 4.25
EF95	Mullard UK, NOS. Printed CV850.	GB	7.50 10 @ 4.25
EF95 / 6AK5	Chinese made. NOS. Good audio quality tested. Guaranteed. Deduct 25p if accepted with egg crate / bulk pack instead of WB. A UK amplifier maker told us "these are as good as Mullard for emission, low noise, frequency response".	WB	3.00 10 @ 1.50 3,000 @ 1.20
EF95 / CV4010	Mullard logo UK, CV4010. NOS.	WB	7.50 10 @ 5.25
EF95 / 6AK5 / CV4010 / 5654	5654 RT logo. Made by Mullard, UK factory for French army. Mullard, black plate, with circle in the anode. Exactly same construction as Mullard, NOS with guarantee. These are 5654 RT logo, equivalent to EF95 6AK5 CV4010.	GVT	5.00 100 @ POA
EF95 / 6AK5 / CV4010 / 5654	5654 RT logo blue glass. Made by Mullard, UK factory for French army. Probably unused, but print is variable and untested, so discount price. Guaranteed 90 days from despatch date. These are 5654 RT logo, equivalent to EF95, 6AK5, CV4010. Bulk pack/egg crate.	BP	2.10 100 @ 1.60
EF95 / 403B	Western Electric, USA NOS. Out of stock – please enquire. These are rare 403B tubes (403B is exact equivalent to EF95).		POA
EF97	6ES6 6FD6 Mullard and other West European NOS. 10 in stock.	OB/WB	4.00
EF98	East and West European.	OB/WB	3.00
EF98	Philips logo or Mullard logo. West European. NOS. Great audio sound. Equivalent to 6ET6 Audio I.F. pentode suits tuner or pre amp. Data etc http://www.groupdiy.com/index.php?topic=37147.0 Data http://tubedata.itchurch.org/sheetsE2.html	OB	3.00 10 @ 2.70 100 @ 2.10
EF183	East European NOS. 250 Bentley, 200 Tesla, National USSR. 100 EF183/ 6EH7 has similarities to EF89 and EF86. EF183 is an IF or RF tube for audio tuners etc. EF183 is a remote cut-off type that could be used as an audio signal compressor tube. Photo www.tave.co.uk Data for Mullard equivalent item www.r-type.org/exhib/aai0110.htm	OB/WB/BP	2.10 10 @ 1.90 500 @ 1.50
EF183	Mullard, UK NOS most with logo. Photo www.tave.co.uk	Most OB	3.50 10 @ 2.75

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Data for Mullard equivalent www.r-type.org/exhib/aai0110.htm		70 @ 2.50
EF184	Mazda or Brimar logo, UK. NOS. Tested.	OB/WB	4.50
			30 @ 4.00
EF184	Mullard logo, UK NOS. Data/library photos http://electronbin.com/sheetsE1.html	Most OB	5.00
EF184	200 Tungram Hungary, 80 EI Yugoslav, 100 other USSR. Deduct 25p if you accept as bulk pack ie egg crate.	OB	2.00
	Potential audio B9A pentode. Data www.tubedata.org		200 @ 1.80
	Data: Vf=6.3V, If=300Ma, Va=250V, Ik=25Ma, S=15Ma/V, Pa=2,5W.		380 @ 1.70
EF184	West European brands. When available.	OB/WB	3.00
EF184 USED	Mullard logo, UK. Used, tested.	WB	2.50
			50 @ 2.00
EF731	West European including CV477 and 5899. A sub miniature semi-remote-cut off broadband pentode for audio compression applications. Characteristics similar to 6SK7 or 6BA6.	GVT	3.00
			30 @ 2.60
EF800	Tesla logo, Slovakia. NOS.	OB	5.00
			50 @ 4.20
EF800	Telefunken logo. West German NOS. <> between pins.	OB	30.00
			12 @ 25.00
EF800 USED	Telefunken logo. West German used tested. <> between pins.	WB	14.00
EF800 / EF860	These are EF860 audio pentode. East German. NOS. Made by RFT or similar. Tested guaranteed. Gold pin. Super quality audio pentode. Data http://tubedata.itchurch.org/sheetsE1.html These EF 860 are similar to EF 800 but not equivalent.	OB/WB	4.00
			4 @ 3.00
			100 @ 2.40
EF802	Similar to EF800.		
EF802	Telefunken logo. West German NOS. <> between pins. High quality low noise pentode, suits broadband amplifier or microphones. 10,000 hours life. There is no internal shielding as in EF800, so this tube useful up to 30 MHz.	OB	14.00
			16 @ 12.50
EF804	Telefunken logo grey anode. Genuine West German made. NO diamond mark between pins. NOS tested and guaranteed.	OB/WB	26.00
			4 @ 24.00
EF804	Telefunken logo west German with diamond <>.	G1	17.00
Grade One	Tested as Grade One. 4 grey anode. 4 silver anode.		8 @ 15.00
EF804S	Telefunken logo, West German with diamond <>. NOS.	OB	65.00
			4 @ 52.00
EF805S	Telefunken logo, West German NOS with <> mark. Near equivalent to ECC85.	OB	8.00
			12 @ 7.00
EF806S	Telefunken logo, West German vintage manufacture with diamond mark <>. This is a special 10,000-hour EF86 made for critical applications. Ideal in top high end audio and valve microphones. Factory selected for low noise. NOS tested guaranteed.	OB	105.00
EF806S USED	Telefunken logo, West German vintage manufacture with diamond mark <>. Grey anode. This is a special 10,000-hour tube, ideal in high end audio and valve microphones. Factory selected for low noise. Used tested guaranteed. Very clean condition. Match pairs usually possible.	WB	65.00
			8 @ 60.00
EF806S	Tesla logo old Czechoslovakian estimated 1960s made. Not recent JJ. A special 10,000-hour EF86 made for critical applications. Factory tested. Selected for low noise.	Most OB	37.00
EFL200	Equivalent 6Y9. Made in Russia. New. NOS.	WB	2.50
			75 @ 2.00
EFP60	Mullard and other UK NOS. Red metal. Interesting secondary emission pentode. Data http://electronbin.com/sheetsE1.html	GB	6.00
			30 @ 4.50
EHT7	UK NOS. Equivalent to GEC EEV B1510A. Suits laser control, x-ray, beam welding, CERN etc. We can obtain 1 piece with a short delay.	OB/WB	POA
EH90 / 6CS6	Sylvania logo USA NOS. We also have other Russian/USA brands at the same price. Expect to receive Sylvania, unless you request	OB	3.00
			100 @ 2.00

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
	differently. B7G base. Possible audio applications. Data www.tubedata.org		
EH900S	Telefunken logo, no diamond mark. West Europe made NOS. Data www.tubedata.org . Photo will soon be at www.tave.co.uk Audio application discussed here www.head-fi.org/t/563884/little-dot-tube-amps-vacuum-tube-rolling-guide/1620	OB	5.00 40 @ 3.20
EL3	Audio output pentode. Can be employed as a triode. Telefunken logo. West German NOS tested guaranteed. 50 pieces the same. GT shape. Also in our stock, socket to fit this tube, ref 8SC, cheap. Data http://www.r-type.org/exhib/aaa0328.htm	GB	32.00 8 @ 28.00 50 @ 24.00
EL3N	Philips logo. NOS.	OB	30.00
EL12 / EL12N	Russian NOS, tested and guaranteed. 10Y sockets to fit in stock. Data: Vf=6.3V, If=1200Ma, Va=250V, Ik=72Ma, S=15Ma/V, Pa=18W.	WB	12.00
EL30 Grade One	RT French made with logo. Test as Grade One. Audio pentode with Some similarities to EL34. Data http://frank.pocnet.net	G1	6.00 20 @ 5.00
EL31	Mullard, UK with logo. NOS. Audio pentode with similarities to EL37. Used, tested around 70 percent emission, guaranteed. Data/photo http://www.r-type.org/exhib/aaj0238.htm	WB	30.00 2 @ 28.00
EL32	Marconi/GE, Canadian manufacture. NOS clean, identical and guaranteed. GT (straight shape). 2 pieces EL32 with 250V on the anode gives 8 watts with an output transformer that suit 6V6 or EL84. 7K to 10K CT primary. All these types are octal based. For more data please enquire. Data: EL32: Vf=6.3V, If=200Ma, Va=250V, Ik=32Ma, S=2.8Ma/V, Pa=8W EL34: Vf=6.3V, If=1500Ma, Va=800V, Ik=150Ma, S=11Ma/V, Pa=25W	OB/WB	3.75 50 @ 3.00
EL32	Mullard logo UK. NOS. Shoulder shape. Also GEC GT shape at same price.	OB/WB	15.00 16 @ 12.00
EL32	Mullard UK. NOS. GT. Tested, guaranteed.	GVT	3.50 8 @ 3.25
EL32 Grade One	Mullard UK, shoulder shape. Tested as Grade 1, guaranteed.	G1	10.50
EL33	Mullard logo, UK, NOS. Tested tube valve. White print, black base.	OB	60.00 8 @ 55.00
EL33	RT/Philips. NOS tested guaranteed. Made in France. Shouldered shape. Lovely antique appearance.	GB	60.00 4 @ 57.50 24 @ 54.00
EL33	NOS tested guaranteed. No logo and unknown brand, but made in West Europe, 3 month guarantee. Shouldered shape. Bargain price.	GB	35.00 16 @ 32.50
EL33 Grade One	Octal base audio pentode. Mullard, Logo, UK. Tested as Grade One, guaranteed. EL33: Vf=6.3V, If=900Ma, Va=250V, Ik=36Ma, S=9Ma/V, Pa=9W More EL33 data here www.r-type.org . 2/4 pieces usually in stock.	G1	45.00
EL33 USED	Mullard, UK. With logo. Used, tested and guaranteed.	BB	30.00
EL33	Please refer to 6CH6 for a very similar item but with a B9A base instead of octal.		
EL33	Please refer to 6CH6 (B9a) near equivalent with different base. EL33 IS octal base, 6CH6 is B9A base.		
EL33	Please refer to 6P25 for a very near equivalent.		
EL33 / N34	These are N34, large B7 base audio pentode. GEC UK NOS and tested, guaranteed. Similar to EL33 and KT66, but N43 has 13volt heater (12.6V or 2 X 6.3v will feed 13v.) B7 socket supplied as free gift with this tube. EL33: Vf=6.3V, If=900Ma, Va=250V, Ik=36Ma, S=9Ma/V, Pa=9W N34: Vf=13V, If=450Ma, Va=250V, Ik=40Ma, S=11Ma/V, Pa=10W Vade mecum data http://frank.pocnet.net/vademecum3.html Photo will be at www.tave.co.uk soon.	GB	40.00 4 @ 32.00
EL33 / PEN36C	These are PEN36C STC logo UK, NOS. PEN36C is an audio pentode	OB	POA

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
	with some similarities to EL33. (Not equivalent). B7 sockets to fit from stock. Socket ref 7PT4. Tested. Guaranteed CV1672. Data for PEN36C, EL33 on the tubedata.itchurch website. Photo www.tave.co.uk		
EL33 / PL33 USED	These are NOS PL33 octal base audio pentode. Mullard, logo. UK.NOS, tested and guaranteed. Data free on request.	OB	13.00 12 @ 11.00
EL34	BILLINGTON GOLD. 15 JJ-Tesla made, 15 Russian made, 15 Chinese made. Please refer to page 6 for full details.	OB	17.00 15 @ 15.00 45 @ 14.00
EL34	Chinese made. New tested, guaranteed. 10 Shuguang/10 Beijing/10 GG. 4 brown base, 4 black base. 8 are larger glass size. 16 are smaller glass size. Regret no picking of brands/appearance allowed. These are a bargain low price due to them not all being the same. Supplied in sets of 4 pieces of the same brand/same appearance.	WB	11.00 8 @ 10.00 32 @ 8.50
EL34	Electro-Harmonix logo. Russian new. Slim Mullard shape. Tested guaranteed.	OB/WB	16.00 10 @ 15.00 30 @ 13.00
EL34	JJ logo Slovakia. Clear glass, tested/guaranteed. VTV Issue 16 says this is an excellent audio tube. Tone is warm and smooth.	OB/WB	13.00 20 @ 10.00
EL34	Mullard logo, made in UK or Holland. 4 pieces large brown base & double O getter, NOS.	OB/WB	140.00
EL34	Mullard logo, made in UK or Holland. Double square or double D getter plate. NOS.	OB/WB	150.00
EL34	Mullard logo - made in UK. Single O getter ring. NOS.	OB/WB	100.00
EL34	Mullard logo - made in UK. Double O getter plate. NOS. Most XF2.	Most OB	125.00
EL34	Mullard logo - UK, NOS. Large base, single ring getter.	GVT	150.00
EL34	Raytheon logo, made in Japan. NOS, when available. Tests by professionals show that these perform as well as Mullard, UK. The construction is similar to Mullard, UK.	OB/WB	45.00
EL34	Svetlana, Russian "C" logo. Not made since 2011. NOS, tested.	OB/WB	32.00
EL34	Svetlana, Russian "S" logo. NOS, tested.	OB/WB	14.00
EL34	Telefunken logo, NOS made BY RFT in East Germany. Clean, tested/guaranteed.	WB	45.00
EL34	Telefunken logo, NOS made in West Germany. Clean, tested, guaranteed.	WB	200.00
EL34	Tesla old logo, Czechoslovakia. 1960s or 70s. Rare. Brown base. 4 the same. NOS and tested.	WB	60.00
EL34	Please refer to 3D21A for a possible alternative (not an equivalent but it could be used as an audio output pentode).		
EL34	Please see 6Y6G possible alternative not equivalent. 6Y6G is USA/West Europe made and super low cost!		
EL34	Refer to E2E for possible alternative, not equivalent. We usually have sockets for E2E in stock.		
EL34	Please refer to E236L for possible alternative, not equivalent.		
EL34	Japanese made. Tests by professionals show they perform as well as Mullard, UK. The construction is similar to Mullard, UK. When available.		POA
Grade One	Philips logo. Made in Holland in 1950s. Tested as Grade One. Dish getter. Mullard code in the base.	G1	POA
EL34	Mazda logo, made in Japan. Tests by professionals show these perform as well as Mullard UK. Construction is similar to Mullard, UK. Guide price GBP36 wholesale.	G1	POA
Grade One	Mullard logo UK. Yellow print. Tested as Grade One, not perfect but decent appearance. Double ring getter.	G1	90.00
EL34	Mullard logo, UK/Holland. Tested as Grade One, clean and guaranteed. Double D getter plate.	G1	75.00
Grade One	Mullard, UK/Holland. Most have logo, please enquire. Tested as Grade One, clean and guaranteed. Single ring getter.	G1	60.00

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
EL34 Grade One	Raytheon logo, made in Japan. Tested as Grade 1. Tests by professionals show that these perform as well as Mullard, UK. The construction is similar to Mullard, UK.	G1	35.00 6 @ 30.00
EL34 Grade One	Telefunken logo. Made in East Germany. Guaranteed, approximate 80 percent emission. Decent appearance, but not new appearance. Sold as grade one.	G1	33.00
EL34 Grade One	Tesla old logo, Czechoslovakia. 1970s. Extremely rare. Grade one tested.	G1	45.00
EL34 USED	Mullard, UK/Holland. Most have logo, please enquire. Used not new but clean, tested/guaranteed. Double ring getter version.	WB	50.00
EL34 USED	Mullard, UK/Holland. Most have logo, please enquire. Used not new but clean, tested/guaranteed. Double D getter.	WB	50.00
EL34 USED	Telefunken logo, made BY RFT in East Germany. Used with some stains in the glass, but tested & guaranteed.	WB	22.00 4 @ 20.00
EL34 USED	Telefunken logo. Used. Not new appearance. Tested/guaranteed. Made in East Germany.	WB	20.00
EL34 USED	Tesla old logo, Czechoslovakia. 1970s. Extremely rare. Used not new appearance but tests 65-75 percent gm and guarantee.	WB	4 @ 26.00
EL34 / 6CA7	Chinese big glass.	WB	POA
EL34 / 6CA7	Ei logo. Yugoslavian NOS. Fat bottle like USA version. Tested/guaranteed.	OB	109.00 2 @ 105.00
EL34 / 6CA7	Electro-Harmonix logo. Russian new. Fat bottle like Sylvania USA. Tested/guaranteed.	OB/WB	19.00
EL34 / 6CA7	Lindal ITT made in South Korea, plain print. NOS, tested, guaranteed. 2 look the same. Near offers invited.	OB/WB	65.00 2 @ 60.00
EL34 / 6CA7	Sylvania big bulb. Logo, made in USA. Tested.	OB/WB	80.00 8 @ 67.50
EL34 / 6CA7 USED	Sylvania logo or Westinghouse logo, USA. Guaranteed. Big glass size 6CA7. Sets of 2 identical appearance. Not new appearance but test ok.	WB	36.00
EL34 / EL34G	Sovtek Russian logo. No longer manufactured. Few pieces.	WB	13.00
E34L	Please use EL34 equivalent.		
EL35	Mullard, UK/Holland with logo. NOS. Audio pentode with similarities to EL37. Both are octal base.	OB	150.00
EL35 Grade One	Mullard, UK/Holland with logo. NOS. Audio pentode with similarities to EL37. Both are octal base. Tested as Grade One	G1	110.00
EL36	Mullard, UK NOS.	OB/WB	10.00
EL36	West European / USA made. NOS.	OB/WB	5.00
EL37	Mullard, UK logo. NOS. Audio pentode with similarities to KT66. Tested. Sets of 2 the same appearance.	OB	150.00
EL37	Mullard, UK logo. NOS. Singles, means not in sets of 2 the same appearance.	OB	120.00
EL37 Grade One	Mullard, UK or Holland with logo. Audio pentode with similarities to KT66. Both are octal based. Tested as Grade One. 4 pieces.	G1	90.00 2 @ 80.00
EL37 USED	Mullard logo. UK tested/guaranteed. 65 or 75 percent emission.	WB	70.00
EL37	Possible alternative, not equivalent KT66 .		
EL38	Mullard logo UK NOS. 3 matched quads means 12 pieces.	OB	36.00 12 @ 32.00
EL38	Mullard logo UK. NOS. Audio pentode similar to EL37 & KT66 but EL38 has a top cap anode. Photo/data http://www.r-type.org/exhib/aad0141.htm	OB/WB	30.00
EL38 Grade One	Mullard logo, UK. Test as Grade One. Good physical appearance, but not new appearance.	G1	20 @ 15.00
EL38 USED	Mullard logo UK used, tested. 1 matched quad means 4 pieces.	WB	16.00 4 @ 12.00
EL38 USED	Mullard logo UK used, tested. Most are in sets of 2 pieces that look the same.	WB	16.00 20 @ 12.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
EL38	Please refer to 6BG6G for possible alternative, not equivalent.		
EL38 / E3375	GEC Sticker UK NOS. These E3375 are equivalent to EL38 but E3375 are rare GT version. Only 2 left in stock.	OB	60.00 2 @ 57.00
EL41	Mullard, NOS. UK / Holland.	OB/WB	10.00
EL42	Mullard / Philips logo, NOS. UK / Holland. Photo www.tave.co.uk / data www.tubedata.org	Most OB/WB	10.00 30 @ 8.00
EL42	Russian NOS.	Mostly OB	8.00 10 @ 6.00
EL50	Mullard logo UK NOS.	OB	30.00 4 @ 27.00
EL50 USED	Mullard, Philips etc, Used, tested, guaranteed. Decent appearance.	WB	15.00 12 @ 12.00
EL81	Siemens German made. NOS. 500 of matched appearance. Printed CV2721. Audio type, good for class B push pull. EL81 has some similarities to EL 519, EL84 and C3M, (but not equivalent). EL81 would make a driver for 845 tubes in SE audio circuit. Data: EL81: Vf=6.3V, If=1050Ma, Va=250V, Ik=180Ma, S=4.6Ma/V, Pa=8W. EL84: Vf=6.3V, If=760Ma, Va=300V, Ik=65Ma, S=11Ma/V Pa=12W C3M: Vf=20V, If=125Ma, Va=300V, Ik=30Ma, S=7.2Ma/V Pa=4W More data http://tubedata.itchurch.org/sheetsE1.html	OB	3.00 50 @ 2.50 500 @ 2.20
EL81	Mullard/Philips. UK/Holland. NOS. Audio type, good for class B push pull. Please refer to EL81 E. European paragraph above. For data enquire from Billington's office.	GVT	4.00 20 @ 3.50
EL83	35 international brand made by Tungsram Hungary. 5 x other East Europe and West Europe. NOS. Potential audio type. Data www.tubedata.org	OB	4.00 40 @ 3.00
EL84	BILLINGTON GOLD, Russian made NOS. Tested, guarantee.	OB	11.00 25 @ 10.00
EL84	Brimar. Very balanced sound, excellent internal construction, superb. UK, NOS.	OB/WB	35.00 8 @ 30.00
EL84	Chinese unused and working, but test below perfect. Clean, guaranteed.	WB	4.50 8 @ 4.00
EL84	JJ, made in former Czechoslovakia. JJ logo. NOS.	OB	POA
EL84	Made in Japan. 4 Raytheon. Small quantities of Mazda/Westinghouse. Also in stock NOS. Tested, guaranteed, logo.	OB	24.00 4 @ 20.00
EL84	Mullard logo, NOS. Tested guaranteed. 4 Holland made with slot in anode. 4 UK made with "O" in the anode.	Most OB	45.00 8 @ 44.00
EL84	Raytheon, Sylvania, Westinghouse. USA, NOS, with logo. Tested, guaranteed.	OB	26.00
EL84	RCA logo. NOS. USA acid etc.	Most OB	30.00 4 @ 27.00
EL84	RFT German. NOS. Tested.	OB/WB	20.00 8 @ 17.50
EL84	Siemens, West European made. Most have logo.	Most OB/BP	30.00
EL84	Telefunken logo. West European made with ◇ mark. Guide price GBP80.00 wholesale.	OB	POA
EL84	Tungsram NOS. Made in Hungary. NOS. Tested, guaranteed.	OB/WB	26.00 8 @ 22.50
EL84	Tesla logo. NOS. Made in Czechoslovakia. Tested, guaranteed.	Most OB	12.00 16 @ 9.50
EL84	Valvo logo West Germany. Currently out of stock, please enquire if interested.		POA
EL84 / 6BQ5	Ei logo NOS. Yugoslavian. Tested guaranteed.	WB	22.00
EL84 / 6BQ5	Some Sovtek, some printed 6P14P, some plain print EL84.	WB	10.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	NOS and tested. Guaranteed.		10 @ 9.50 30 @ 9.00
EL84 / 6CL6	These are 6CL6 Thomson, France. NOS guaranteed, logo. This B9A 6V pentode fits some vintage audio equipment. Partly similar to EL84. B9A base audio pentode. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheets64.html We can we can email you an audio circuit, using 6CL6 free of charge on request.	OB	4.00 20 @ 3.50 60 @ 2.40 200 @ 1.40 700 @ 1.30
EL84 / 6GK6	These 6GK6 are the same as EL84, but different pin out! USA NOS with logo. Tested/guaranteed. 10 or more of pieces of each brand, GE Raytheon, RCA, Sylvania, Westinghouse.	Most OB	7.50 10 @ 6.50 75 @ 5.50
EL84 / 5639	Sylvania USA and Thomson France. NOS wire ended 5639. Partly similar to EL84 but lower power, (not equivalent to EL84). These are 5639 wire ended/ flying lead. Data http://tubedata.tubes.se/index.html	OB/GB	6.00 10 @ 5.00 100 @ 4.00
EL84 / 5686	These are 5686 Raytheon logo, USA NOS. B9A based audio pentode with similarities to EL84. 5686 data http://electronbin.com/sheets5.html Suits low power amplifiers, eg 1 watt SE triode, 3W SE pentode, 10w PP pentode. Try 225 volts of B+, with cathode bias. Try 9K ohm load in SE pentode mode. Try grid and screen stoppers.	Most OB	5.00 10 @ 4.00 100 @ 3.00
EL84 / CV2243	These CV2243 have similarities to EL84 but are not the same. Please study the below data carefully. STC/ITT logo UK NOS. These CV2243 are equivalent to 6F14 but with a 9 pin base. CV2243 is equivalent to STC 5A-206K. Between these 3 links you should get all the data/photos you need: photo www.tave.co.uk data www.tubecollector.org/cv2243.htm https://frank.pocnet.net/other/ServiceTypes/CVnumbers.html	OB/GVT	5.00 100 @ 4.00 400 @ 3.75
EL84 / EL84R	These are Brimar EL821 / 6CH6 UK NOS with a gold pin adaptor. Glass printed EL84R. Matched pairs available. 1970's vintage, genuine British made Brimar EL821 / CV4055 / 6CH6 pentode with adapters to use directly in place of EL84 tubes. A good way to get British NOS quality, without the expense of NOS EL84 tubes. NOS tested/guaranteed. EL821 / 6CH6 / CV4055 is an output power pentode with characteristics very similar to EL84, but with a different pinout. Data for EL84 & EL821 http://electronbin.com/sheetsE1.html An Amplifier diagram for EL821 available from our office. <i>These adapters are only suitable for amplifiers where the tubes sit UPRIGHT, not sideways or upside down. So they're good for hi-fi, but not recommended for guitar amplifiers, unless there are retainers to hold the tubes in.</i>	OB/WB	7.50 50 @ 6.00
EL84 / EL183	These are EL183 Mullard logo. Holland NOS. Some similarities to EL84 & other audio pentodes. High gain/slope! Centre tapped heater. B9A base. Data: Vf=12.6V, If=300Ma, Va=220V, Ik=20Ma, S=25ma/V, Pa=6W. More data http://electronbin.com/sheetsE1.html	OB	6.00 4 @ 4.75 200 @ 3.75
EL84 / EL183	These are EL183 Philips Holland NOS. Printed only "EL183", supplied in bulk pack or egg crate. Some similarities to EL84 & other audio pentodes. High gain/slope! Centre tapped heater. B9A base. Data: Vf=12.6V, If=300Ma, Va=220V, Ik=20Ma, S=25ma/V, Pa=6W. More data http://electronbin.com/sheetsE1.html	BP	6.00 4 @ 4.75 600 @ 3.50
EL84 / SV83	These are SV83 Chinese manufacture NOS. All identical. Guaranteed. SV83 B9A base is similar to EL84 but different pinout. Please refer to data below. SV83 replaces EL84 by rewiring the base. These are bulk pack, egg crate. Please add 25p per tube, if white box with label required. Lowest price in the world. SV83 NEW Chinese, equivalent to 6P15P 6П15П EL83. Similar to 6CK6 EL84 6BQ5. Data http://tubedata.itchurch.org/sheetsS.html	WB	2.00 10 @ 1.00 4,000 @ 0.80

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TYPE	COMMENT	BOX	£ GBP PRICE each
EL84 / SV83 Data	Printed SV83 or 6P15P, or 6N15N or 6Pi15Pi. SV83 can replace EL84 by rewiring the base. SV83 B9A base is similar to EL84 but different pinout. Data http://tubedata.itchurch.org/sheetsS.html Photo www.tave.co.uk		
EL84 Grade One	Brimar logo UK. Used, tested, as Grade 1 (over 80 percent emission). Guaranteed. Not new appearance but very good appearance. Very balanced sound.	G1	24.50 8 @ 22.00
EL84 Grade One	Mazda logo UK made. Test as Grade 1. Means, approximate 80 percent emission. Not new appearance but decent, used appearance with good print and logo. Very balanced sound, excellent internal construction, superb. UK, NOS.	G1 box	25.00 10 @ 20.00
EL84 Grade One	4 Mazda, 4 Raytheon, 4 Westinghouse, with logo. Made in Japan. Tests as Grade One.	G1	18.00 4 @ 16.00 12 @ 14.00
EL84 Grade One	Mullard logo, UK or Holland. Test as Grade One, small stains in the glass.	G1	35.00 8 @ 30.00
EL84 Grade One	RCA logo, USA acid etch. Test as Grade One.	G1	22.00 6 @ 18.00
EL84 Grade One	Siemens, West European made. Most have logo. Test as G1. 4 pieces.	G1	22.00
EL84 Grade One	Telefunken West Germany with logo and diamond mark.	G1	60.00
EL84 Grade One	USA made GE, Sylvania and Westinghouse. Also some RCA at higher price. Most have logos. Tests as Grade One.	G1	16.00 8 @ 14.00
EL84 Grade One	Tungsram Hungary. Test as grade one. Approximate 80 percent emission. Not new but decent appearance	WB	18.00 12 @ 15.00
EL84 Grade One	Valvo logo made in West Germany. Currently out of stock, please enquire if interested.	G1	SOLD OUT
EL84 / N709 Grade One	GEC sticker, UK made. Test 80 percent emission, slightly used. D getter. Data www.rtype.org/exhib/aaa0609.htm	G1	140.00 3 @ 125.00
EL84 USED	Brimar logo UK. Used, tested, guaranteed. Very balanced sound. Not new appearance, but decent appearance.	Old OB	17.50 12 @ 15.00
EL84 USED	Mullard logo, UK / Holland. Used not new but clean, test 65-75 percent emission and guarantee. Price is for one tube.	WB	20.00 16 @ 16.00
EL84 USED	2 Mazda logo, 2 Raytheon & 2 Westinghouse, with logo. Made in Japan. Tests as used (around 65 percent emission).	WB	12.00 6 @ 10.00
EL84 USED	RCA USA. RCA acid etch. RCA logo. Used not new but clean, tested 70 percent gm or more and guaranteed.	WB	15.00 8 @ 12.00
EL84 USED	Siemens, West European made. Most have logo. Used tested guaranteed. 4 pieces.	WB	15.00
EL84 USED	Telefunken West Germany with logo and diamond mark. Tested as used, guaranteed.	WB	33.00
EL84 USED	USA made, including GE, Sylvania, Westinghouse. Japanese made. Mazda or Raytheon. Not RCA. Used not new but clean, tested 65 percent gm or more. Guaranteed. 2 of this 4 of that. Photo www.tave.co.uk	WB	12.00 8 @ 10.00
EL84	Please refer to these top quality possible alternatives, NOT equivalents: <ul style="list-style-type: none"> • Mullard, EL91 lower power alternative. • SV83 super low cost alternative, B9A different pinout. • 6CH6 UK, partly similar to EL84. 		
EL84M	Russian new tested guaranteed. Some printed 6N14N.	OB/WB	10.50 20 @ 7.50
EL84M USED	Russian used, tested guaranteed. 12 pieces.	WB	3.50
EL85	Mullard UK. 6 of Philips Holland. Possible audio pentode. NOS.	GVT	5.00 4 @ 4.20 40 @ 4.00

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
EL85	Made in Russia or Hungary, NOS.	OB/WB	2.50 16 @ 2.00
EL86	Mullard UK. NOS. Similar to EL84 but has a different anode current. Data: Vf=6.3V, If=760Ma, Va=250V, Ik=100Ma, S=10Ma/V, Pa=12W. B9A socket.	Most OB	6.50 50 @ 5.50
EL86	Made in Russia or Russian. New. NOS.	OB/WB	3.00 36 @ 2.75
EL86	Made in USA or Japan. Raytheon, Westinghouse etc. NOS.	Most OB	6.50 30 @ 5.00
EL86 USED	Mullard UK. Used, tested.		3.00
EL90	Refer to equivalent 6AQ5 , audio pentode		
EL91 / 6AM5	Mullard old style logo . UK NOS. 1970s vintage genuine Mullard pentode power amplifier pentode. A micropower audio output power pentode. Output approximately 1.5 watts single-ended or 5 watts push pull. Useful for building headphone amps, micropower amps or line drivers. Data http://tubedata.itchurch.org/sheetsE1.html	GVT	5.00 50 @ 3.50 100 @ 3.00
EL91 / 6AM5	Mullard UK, Government print, no logo . 1970s vintage genuine Mullard audio power pentode. Output 1.5 watts single-ended or 5 watts push pull. Useful for building headphone amps, micropower amps or line drivers. Data http://tubedata.itchurch.org/sheetsE1.html	OB	4.00 50 @ 3.50 400 @ 2.50
EL91	Equivalent to CV136 and CV4063		
EL95	Mullard logo. West European made. Equivalent to 6DL5 .	Most OB	7.00 Bulk @ POA
EL95	Telefunken logo. West German made, NOS. <> between pins.	OB	16.00 12 @ 13.50
EL95	Valvo logo. West German NOS. Tested, guaranteed.	Most OB	7.50 10 @ 6.50
EL152	Telefunken logo, NOS West German made. 6 pieces look identical. Similarities to KT88 but 9 pin base. Data http://electronbin.com/sheetsE1.html Photo http://electronbin.com/sheetsE1.html isn't a photo of our stock. Chinese socket 9E2E, to fit this tube, sent as a free gift.	GVT	50.00 6 @ 40.00
EL152	Telefunken. Similarities to KT88 but needs socket 9E2E. Data EL152: Vf=6.3V, If=1550Ma, Va=1000V, Ik=230Ma, Pa=40W.	GVT	POA
EL153	Telefunken. Similarities to KT88. Data: Vf=6.3V, If=1550Ma, Va=650V, Ik=230Ma, S=4Ma/V, Pa=40W.	OB/WB	POA
EL156	Chinese. Identical to antique Telefunken item but has octal base. Tested/guaranteed.	WB	38.00 28 @ 35.00
EL156	Telefunken logo, West German NOS. 1 only. If you order this we will supply the socket to go with it free of charge. If available price approx GBP160.00.	GVT	POA
EL156	If you buy EL156 we will supply socket to go with it.		
EL183	These are EL183 Philips Holland NOS. Printed only "EL183", supplied in bulk pack or egg crate. Some similarities to EL84 & other audio pentodes. High gain/slope! Centre tapped heater. B9A base. Data: Vf=12.6V, If=300Ma, Va=220V, Ik=20Ma, S=25ma/V, Pa=6W. More data http://electronbin.com/sheetsE1.html	BP	6.00 4 @ 4.75 600 @ 3.50
EL183	These are Russian 6E5P tubes. Equivalent to EL183. To the untrained eye, the printing on the glass looks like 635N. NOS guaranteed. Data for EL183 http://electronbin.com/sheetsE1.html	WB	3.00 16 @ 2.00
EL183E	Philips Holland NOS. In bulk pack or egg crate. Some similarities to EL84 & other audio pentodes. High gain/slope! Centre tapped heater. B9A base. Data: Vf=12.6V, If=300Ma, Va=220V, Ik=20Ma, S=25ma/V, Pa=6W. More data http://electronbin.com/sheetsE1.html	BP	6.00 4 @ 4.75 200 @ 3.75
EL360	East European. Clean, tested, guaranteed.	OB/WB	10.00 10 @ 7.00

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
EL360	Please refer to 3D21A , alternative, not equivalent item		
EL360	Mullard logo UK NOS. Possible audio type. Data www.tubedata.org	OB/WB	12.00
EL360	STC UK NOS. Printed 11E14. 11E145 is equivalent to EL360. Data www.tubedata.org	OB/WB	11.00 5 @ 10.00
EL360 Grade One	Mullard UK with logo. Tests as Grade One. Possible audio type. Small stain in glass.	G1	5.00 20 @ 4.00
EL500	Mullard logo, NOS.	OB/WB	14.00 10 @ 13.50
EL503	West European made. NOS.	OB/WB	95.00 3 @ 85.00
EL503 USED	Mullard. Tests 65 or 75 percent emission. West European made.	WB	37.00
EL504	Printed 6N36C 6P36S. Large size glass. Data http://www.r-type.org/exhib/acf0082.htm	WB	9.00 10 @ 5.50
EL504	Mullard UK NOS with logo.	OB/WB	14.00 8 @ 13.50
EL504	New Tungsram Hungary. New, clean and identical with guarantee. Deduct 25p if you accept without white box (egg crate or bulk pack instead).	WB	9.00 10 @ 5.50 30 @ 5.00 100 @ 4.50
EL506 USED	West European used but tested at 70 percent emission approximately and guaranteed.	WB	18.00
EL508	Mullard logo Holland. NOS. Audio output Pentode. Equivalent to 6KW6. Photo/ideas re audio amplifier application at www.r-type.org/exhib/aaa0326.htm	OB	6.00 32 @ 4.50 80 @ 4.00
EL509	JJ logo. Octal base, no top cap. New tested, guaranteed.	OB	30.00 6 @ 27.50
EL509	Mullard/Philips Holland. NOS. Tested with guarantee.	Most OB	POA
EL509	Svetlana, Russia. Some are Ultron logo, NOS.	WB	30.00 4 @ 27.00
EL509 USED	Russian. Used, clean and tested with guarantee.	OB/WB	15.00
EL509 / 6Pi42	Real EL509 are very rare. So, consider NOS 6P42S/6Pi42 stock. These 6P2S have a different pinout to 6Pi45/EL509, but these 6P42S are fairly similar to EL509. 6Pi42/ 6P42S data from our office. Some data in English. Some in Russian.	OB/WB	12.50
EL519	Philips Holland. NOS. Tested.	Most OB	POA
EL519	Equivalent to 6N45C, 6KG6, 6P45S. Svetlana, Russian. Most have C logo. NOS. Tested guaranteed.	WB	30.00 8 @ 27.00
EL519 Grade One	Svetlana C logo, Russian. Tested as Grade One with guarantee.	G1	22.00
EL802	Philips MiniWatt Holland NOS. B9A audio pentode. Data http://tubedata.itchurch.org/sheetsE1.html Circuit diagram for audio amplifier using EL802 www.pmillett.com/el802_spud.htm	OB	8.00 20 @ 6.50
EL803	Brimar NOS.		12.00
EL803S	Telefunken logo NOS <> West German.	OB	15.00 10 @ 12.50
EL821	Mullard. UK.	OB/WB	5.00 20 @ 4.50
EL821	Should be plenty in stock. Please refer to 6CH6.		
EL821	Please refer to 6CH6 for special offer prices.		
EL822	Mullard logo UK NOS. Suits many applications including audio. Partly similar to EL84.	Most OB	11.50 10 @ 10.00 50 @ 9.00
EL822	Please see EL84 / EL822 .		

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TYPE	COMMENT	BOX	£ GBP PRICE each
EL3010-R	NOS tube, probably West European made. With a black base. Printed only "EL3010-R". Audio pentode. (Compare to Telefunken West German EL3010, with metal base).	WB	36.00 3 @ 30.00
ELL80	Western European made NOS. Mullard, Brimar, Valvo etc.	OB/WB	30.00
ELL80 / QQV03-10	These are QQQV03-10 Mullard logo, UK/Holland QQQV03-10. QQV03-10 are double tetrode output tubes with similarities to ELL80. They work with output transformers designed for EL84 or 6V6. Free data available.	OB/WB	5.75 40 @ 5.00 80 @ 4.20 200 @ 3.50
EM1	West European. NOS, eg Mullard 3 pieces.	Most OB	40.00
EM1 USED	West European. Used, tested, eg Mullard 4 pieces.	WB	20.00
EM4	Philips NOS.	OB/WB	40.00
EM4 USED	Some Philips, some Tungstam. Used, not new but tested/guaranteed.	WB	16.00
EM34	Mullard logo, UK NOS.	OB/WB	65.00
EM34	Clear glass by Zaerix and other Russian made. 6 pieces.	OB/WB	25.00 6 @ 20.00
EM34 Grade One	Mullard logo red paint. Test as new, looks Grade One but almost new appearance. 6 pieces.	G1	25.00 6 @ 20.00
EM34 USED	Mullard red paint. Tested working used, decent appearance. 6 pieces.	G1	16.00 6 @ 12.50
EM80	EI logo, Yugoslavian EI made. NOS. Limited quantity.	WB	12.00
EM80	Yugoslavian EI made. NOS. These are unprinted.	BP	9.00 100 @ 8.00
EM80	EI NOS. Glass unprinted, in white box. Boxes printed "EM80 EI Yugoslavia".	WB	9.50 100 @ 8.50
EM81	West European, NOS. 10 Mullard + 1 Telefunken.	OB/WB	13.50 11 @ 12.50
EM84	Mullard, Amperex, West Europe. NOS.	OB/WB	14.00 8 @ 12.20
EM84	10 x EI Yugoslav and 8 x Chinese. New tested guaranteed.	OB/WB	10.00 18 @ 9.20
EM87	Mullard & other West European NOS.	OB/WB	10.00
EMM801	Telefunken West German NOS <>. Usually available.	OB/WB	50.00
EN31	Mullard logo UK NOS. Gas filled thyatron. Great appearance.	Most OB	8.00 20 @ 7.00
EN32	Mullard logo UK NOS. Equivalent to PL6574, 6574, TGL12079.	Most OB	8.00 20 @ 7.00
ESU74	GEC UK NOS. Huge audio rectifier, slightly similar to 872A 21cm tall. A giant ES base. Filament voltage 4V. Filament current 12A. Max mean anode power 100W. Max PIV 65kV. Min total emission 2.5A.	OB/GB	20.00 16 @ 15.00
EY51 / 6X2	West European made Siemens NOS. West European made Siemens NOS. High Voltage Rectifier, suits oscilloscopes. Data http://electronbin.com/sheetsE.html	OB	3.00 5 @ 2.2 300 @ 2.0
EY84	Mullard UK NOS, with logo. Audio rectifier. Slow warm up rectifier with high pulse properties similar to 6D22S & A2272. Data Vf=6.3V, If=1000Ma, Va=500V, Ik=150Ma. B9A base. More data /www.r- type.org/exhib/aaa0230.htm. Photo www.tave.co.uk	OB/GVT	5.00 4 @ 3.50 100 @ 3.00 300 @ 2.50
EY86 / EY88	East European, NOS.	Mostly GVT	2.50 10 @ 1.50 100 @ 1.30
EY86 / EY88	West European, NOS. Mullard, Valvo etc.	Mostly GVT	3.50 8 @ 3.00 100 @ 2.30
EZ11	Telefunken logo. West German, NOS, tested guaranteed. 50 pieces the same. Also in our stock, socket to fit this tube, ref 8SC, cheap.	OB	20.00 8 @ 18.00 50 @ 15.00
EZ11	Grade 1 Telefunken logo. Please enquire.	OB	POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
Grade One			
EZ35	Refer to 6X5GT .		
EZ40	Cifte France, NOS.	OB/GB	4.00 20 @ 3.50 100 @ 3.00
EZ40	Audio rectifier. Tungsram logo, Hungary NOS guaranteed. Similarities to 6X4 and EZ81 but different base. Socket to fit this tube, 89SKS, in stock. 6X4: Vf=6.3V, If=600Ma, Va=325V, Ik=70Ma EZ41: Vf=6.3V, If=600Ma, Va=350V, Ik=90M More data in EZ41 section below.	OB/WB	3.00 6 @ 2.34 30 @ 2.20
EZ40	Audio rectifier. CIFTE logo, Made in France, West Europe. Similarities to 6X4 and EZ81 but different base. Socket to fit this tube, 89SKS, in stock. Data http://electronbin.com/sheetsE2.html	OB/WB	4.00 10 @ 3.34 100 @ 3.00
EZ40A	Audio rectifier. CIFTE logo, Made in France, West Europe. Similarities to 6X4 and EZ81 but different base. Socket to fit this tube, 89SKS, in stock. Data https://www.radiomuseum.org/tubes/tube_ez40a.html	OB	3.00
EZ41	Mullard logo UK / Holland. NOS. Audio rectifier. With guarantee. Similarities to 6X4 and EZ81 but different base. Socket to fit this tube, ref 89SKS, from our stock. Data www.tubedata.org	OB/WB	5.50 100 @ 4.50
EZ41	Most are Philips UK / Holland. Mullard UK NOS. All with logo Guaranteed. Audio rectifier. Similarities to 6X4 and EZ81 but different base. Socket to fit this tube, 89SKS, in stock. Data http://electronbin.com/sheetsE2.html	OB/WB	5.50 100 @ 4.50
EZ80	New East European, tested.	OB/WB	8.00
EZ80	Mullard UK. Brimar UK. NOS. Several available.	OB/WB	12.00
EZ80	Mullard logo UK made. Test as Grade One. Don't look new but look decent. Guaranteed.	G1	8.00 12 @ 6.40
EZ80 USED	Mullard or Brimar or Mazda. O getter. Tests as used.	OB/WB	6.00
EZ81	U709 GEC/Marconi. UK NOS. Tall shape.	OB/WB	280.00
EZ81	U709 GEC/Marconi. UK NOS. Normal shape	OB/WB	220.00
EZ81	U709 GEC/Marconi. UK NOS. Normal shape.	OB/WB	110.00
EZ81	USA. NOS. GE Sylvania etc.	Most OB	16.00 6 @ 14.00 12 @ 12.00
EZ81	Mullard logo, UK NOS. Usually available.	OB	25.00
EZ81	Mullard logo, UK NOS. Square getter or D getter.	OB	50.00 2 @ 48.00
EZ81	East German NOS, JJ, Tesla, Electro-Harmonix, Mazda foreign, Tungsram. 2 or 3 of each brand.	OB/WB	13.00 10 @ 10.50
EZ81	NOS, Japan made Mazda and others. 8 pieces.	Most OB	16.00 8 @ 13.00
EZ81	RFT made, some are printed Zaerix, East German. NOS, tested, guaranteed.	OB/WB	13.00 25 @ 10.50
EZ81	Brimar logo UK. Grade 1 at 20GBP wholesale, same item but D getter 40GBP wholesale. Not new appearance but decent appearance. Guaranteed. 2 or 3 pieces.	G1	POA
EZ81	German made RFT, with Tesla logo. Not new appearance but decent appearance. Test very strong. Guaranteed.	G1	8.00 10 @ 7.00 40 @ 6.00
EZ81	Mullard logo UK. Tested as grade 1. Not new appearance but decent appearance. Guaranteed. Square getter or D getter.	G1	25.00 4 @ 23.00
EZ81	USA. Grade 1 Sylvania Westinghouse etc. Tested with logo.	G1	12.00 16 @ 8.00
EZ81 USED	U709 GEC/Marconi. UK used, tested. Tall shape.	OB/WB	140.00
EZ81	Please consider lower power 6X5GT as an alternative, not equivalent.		

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TYPE	COMMENT	BOX	£ GBP PRICE each
	EZ81 is B9A base, 6X5GT is octal base. EZ81 is rare, 6X5GT we have plenty.		
EZ81 / U709	GEC sticker UK NOS. Equivalent to EZ81. Tests as new. New appearance. Guaranteed.	WB	60.00 2 @ 50.00
EZ90	Please refer also to 6X4 .		
EZ90 / 6X4	Mullard logo EZ90 UK NOS. Tested.	OB/WB	36.00 4 @ 30.00
EZ90 / 6X4 Grade One	10 pieces Mullard EZ90 UK. Tested as new but sold as Grade 1. UNUSED with clean original Mullard logo. The getter doesn't look perfect so sold here at Grade 1 price D getter.	G1	25.00 10 @ 22.00
EZ150	Telefunken West German. NOS. Similar to 5U4G but has different heater and base. We will send free gift sockets, to fit this valve. Guide price GBP135 wholesale.	GB/WB	POA
F2A	NOS. Small quantity.	OB/WB	150.00
F2A Grade One	Siemens West German. GBP90 wholesale if available.	G1 box	POA
F2A USED	Siemens West German. Used and test only 50 or 60 percent emission hence the low price. Decent appearance and guaranteed.	WB	50.00 2 @ 47.50
F2A11 USED	Siemens West German. Used, tested, guaranteed. Not new but looks decent. For data refer to F2a section, above.	WB	75.00
F410 USED	These F410 have many similarities to PX25. Philips West Europe F410. Used not new appearance but decent appearance. Tested/guaranteed. B4 socket, to fit, from stock. F410 data: http://tubedata.itchurch.org/sheetsF.html Vf=4,0V, If=2000Ma, Va=550V, Ik=45Ma, S=4,0Ma/V, Pa=25W.	WB	120.00 2 @ 115.00
FC4	Mullard, UK NOS.	OB	20.00
FC13	Mullard, UK NOS. With gold metalizing.	OB	20.00 12 @ 15.00
FC13C	Mullard, UK NOS. With gold metalizing.	OB	25.00 10 @ 20.00
FW4-350	Mullard logo UK NOS. Some black anode, some grey anode. Some black base, some brown base.	Most OB/WB	55.00 2 @ 50.00
FW4-500	Mullard logo UK NOS. Some black anode, some grey anode. Some black base, some brown base. Some printed CV1264, some have other print. Sets of 2 pieces identical appearance. This item has become rare.	Most OB/ GVT	70.00
FW4-800	Or U18 GEC / MOV / Osram UK, NOS. 5 pieces of mixed appearance.	OB/WB	180.00 5 @ 170.00
FW4-800	Mullard UK NOS. Some black anode, some grey anode. Some black base, some brown base. This item has become rare.	Most OB/ GVT	70.00
FW4-800	FW4-800 or U18 GEC / MOV / Osram UK, NOS. Very limited quantities.	Most GB	220.00
FW4-800 USED	Mullard UK, used, tested, good appearance. Some black anode, some grey anode. Some black base, some brown base.	WB	60.00 4 @ 55.00
FX2535	EEV, UK NOS. Similarities to 4C35 although not an equivalent.	GVT	240.00 4 @ 200.00
GC10-B	Equivalent CV2271. UK NOS. If available wholesale...	OB/WB	POA
GC12-4B	UK NOS. If available...	WB	POA
GD105A	NOS. UK or USA. Several in stock.	OB/WB	10.00
GD105AS	NOS. UK or USA. Several in stock.	OB/WB	10.00
GD150A	NOS. UK or USA. 20 in stock.	OB/WB	10.00
GDT120T	NOS. UK or USA. Several in stock.	OB/WB	10.00
GDT4B	NOS. UK or USA. Several in stock.	OB/WB	10.00
GEX541 USED	Mullard power rectifier diode. Used. For you to test. 90 day guarantee.		1.80 8 @ 1.60 50 @ 1.30

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TYPE	COMMENT	BOX	£ GBP PRICE each
GI-2B	NOS. Made in Russia. Pulse Planar Triode NOS. 3.2GHZ frequency, 9cm band. (Note the 2nd letter is I for India) Data http://scottbecker.net/tube/index.html	GVT	30.00 20 @ 20.00
GR10A	NOS. Seems to be a Dekatron. UK or USA.	OB/WB	10.00 20 @ 8.00
GR10AK	NOS. CV5291. Seems to be a Dekatron. UK or USA.	OB/WB	15.00 5 @ 12.00
GR10MU	NOS. UK or USA.	OB/WB	14.00
GS4V	Russian Generator triode. Titanium-ceramic. Forced air heater 6v at 0.5A. Anode 200v. gm is 18ma/v. Output power 15w. Operating frequency 7500 mhz.	GVT	3.00 100 @ 2.40
GS10C	NOS. UK or USA. 14 in stock.	OB/WB	10.00
GS10D	NOS. UK or USA. Several in stock.	OB/WB	10.00
GS10H	Hivac UK with logo, clean and guaranteed. Counter tubes.	OB/WB	10.00
GS12D	NOS. UK or USA. Several in stock.	OB/WB	10.00
GS17A	NOS. UK or USA. Several in stock.	OB/WB	10.00
GS18	NOS. UK or USA. Several in stock.	OB/WB	10.00
GS50	UK. NOS. Rank logo. Photo cell.	OB	14.00 8 @ 11.00
GS50	NOS. UK or USA. Several in stock.	OB/WB	10.00
GT1C	GEC UK NOS. Heater 4v @ 1.3A, CV1128 NGT2 argon filled relay tube, capable of controlling 1 amp B5 socket to fit, from stock. Data http://electronbin.com/sheetsG.html	GVT	7.50 20 @ 5.00
GU-50	NOS. Made in Russian. GU-50 is a power pentode. Useful in audio amps, both in single-ended and push-pull modes. Originally intended for 50 Watt operation in linear RF 120 MHz. Russian print is ry50. GU-50 is exact equivalent to Telefunken LS-50. LS50 data http://scottbecker.net/tube/index.html If you buy these we can direct you to a supplier of sockets.	GVT	5.00 20 @ 3.00
GU-50	NOS. MOV & other UK made. Near equivalent to: AU6, CV1072, CV1626, DCG1.5-250, ESU101, NU16, RG1-240A, RG250/1000, VU72. GU50 UK is no relation to Russian GU50 or Telefunken LS-50. GU50 UK data http://www.tubecollector.org/gu50.htm	OB/WB	25.00
GU81M / GU81M	When available. Huge Russian NOS pentode. Suits broadcasting, audio, medicine, induction heating (eg hardening of cutting tools, plastic industry, curing food). Guide price GBP50 wholesale.	OB/WB	POA
GXU50	GEC UK NOS.	OB	20.00
GXU50SS	Solid State. UK NOS. GXU50SS are similar to 3B28 but GXU50SS have B4 base and 4V heater. Half wave audio rectifier. Data: Vf=4V, If=3000Ma, Va=1800V, Ik=250Ma. These are GXU50SS. Solid state equivalent, not glass.	OB/GVT	10.00 50 @ 7.50
GZ30	Mullard logo, UK. NOS. GVT	GVT	44.00 8 @ 37.00
GZ30	Russian NOS 5Z4GT.	OB	4.00 50 @ 3.50
GZ30 USED	Mullard logo, UK. Used tested decent appearance guaranteed.	WB	22.00 4 @ 17.50
GZ30 Grade One	Grade 1 Mullard UK. Tested.	G1	22.00 5 @ POA
GZ30	Equivalent to 5Z4G.		
GZ32	Brimar logo Russian NOS. Suitable up to 125Ma and 350V. Shoulder shape, black Bakelite base. Tested with guarantee.	OB	16.00 12 @ 15.00
GZ32	Brimar logo Russian NOS. Suitable up to 125Ma and 350V. Straight shape, black Bakelite base. Tested with guarantee.	OB/WB	12.00 50 @ 10.00
GZ32	French manufacture, and are new, tested, and guaranteed. All of these are the same, some are Miniwatt logo, some are Mazda	OB/WB	33.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	logo. (GZ34 Mullard extinct, GZ37 Mullard difficult to find). Consider GZ32 near equivalent.		
GZ32	Mullard logo, UK NOS. Shouldered shape, tested, guaranteed. GBP 82.50 guide price wholesale, if available.	OB	POA
GZ32	Mullard logo NOS. Made by Philips in Holland or France. Shoulder shape. Slightly smaller than Mullard UK GZ32. New, tested, and guaranteed. High quality. Useful possible alternative to GZ34 GZ37. GZ34 Mullard is extinct, GZ37 Mullard is hard to find.	WB	33.00
GZ32 Grade One	Mazda logo. Shoulder ST shape. Tests as Grade One. Decent appearance with small stain in glass. French made. Not new appearance but tested and decent appearance. GZ34 Mullard extinct, GZ37 Mullard difficult to find. Consider GZ32 near equivalent.	G1	11.00
GZ32 Grade One	Mullard logo UK. Shouldered shape, tested, guaranteed. Test fairly near to new, look decent but don't look new. Sold as Grade One item.	G1	50.00
GZ32 USED	Mazda & other French made. NOS. Straight sides. Large size, handles full power. Tested, guaranteed with logo.	OB/WB	23.00
GZ32 USED	Mullard UK / Holland, Mullard logo, shouldered shape. Used and not new appearance but tested/guaranteed.	WB	32.50
GZ32	Please refer to 5V4G exact equivalent and 5Y4GA very near equivalent. Both are less than half the price of GZ32 Mullard!		
GZ32	Please refer to 25Z6GT for a fantastic low cost alternative, not equivalent with a different heater voltage.		
GZ32 / 5V4G	These are 5V4G STC / Brimar logo UK. NOS. Shoulder ST shape.	GVT	25.00 16 @ 22.00
GZ32 / 5V4G Grade One	Brimar logo. 5V4G test as Grade 1. ST shape. With guarantee.	G1	18.00 8 @ 14.00
GZ32 / 5V4G USED	These are 5V4G Brimar logo UK. Used tested. Small stains in glass.	WB	12.50 10 @ 9.00
GZ32 / 25Z6GT	These are 25Z6GT, 100 RCA, 1900 National Union logo USA NOS clean, uniform appearance and guaranteed. Octal half-wave rectifier. Data: Vf=25V, If=300mA, Va=235V, Ik=150mA. Not equivalent to GZ32 etc. but a low cost alternative to 5V4G, GZ32 and GZ37 which wholesale around GBP25.00 each. Photo www.tave.co.uk . Data http://tubedata.itchurch.org/sheets22.html	GVT	2.00 10 @ 1.00 2,000 @ 0.75
GZ33	Mullard, UK.	OB/WB	60.00
GZ34	Mazda logo. Japanese made. NOS. Reliability and rugged modelled after famous USA brands like GE or RCA. Tested Guaranteed.	OB/WB	65.00
GZ34	A solid state rectifier that replaces tubes 5AR4, GZ34, 5Y3 & 5U4G. NOS. Guaranteed.	WB	8.00 25 @ 6.00
GZ34	BILLINGTON GOLD logo, Chinese. Red, blue, gold. With guarantee. Good quality tested item.	OB	15.00 20 @ 14.00
GZ34	Chinese. Guarantee. NOS. Some are stock and some are 3 weeks delivery.	WB	12.50 50 @ 11.00
GZ34	Mullard NOS with large base, or double D getter. Guide price if available GBP250 wholesale. Mullard NOS with metal base, if available GBP400 wholesale.	OB	POA
GZ34	Mullard UK/Holland with normal base. NOS. Few pieces only.	OB/WB	135.00 4 @ 120.00
GZ34	Sovtek 5AR4. New and guaranteed.	WB	20.00 8 @ 17.00 60 @ 15.25
GZ34	USA NOS. GE, RCA, Westinghouse.	OB/WB	65.00 3 @ 60.00
GZ34	Consider alternative, not equivalent rectifier 25Z6GT . 25Z6GT has a different heater voltage, etc. but it is many, many times cheaper than GZ34.		

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
GZ34 / 5Z4GT	SOLD – please enquire.		POA
GZ34 / 25Z6GT	These are 25Z6GT, 100 RCA, 1900 National Union logo USA NOS clean, uniform and guaranteed. Octal half-wave rectifier. Data: Vf=25V, If=300mA, Va=235V, Ik=150mA. A low cost alternative to GZ34 (not equivalent.). GZ34 Mullard are GBP100 each but impossible to find. Consider 25Z6GT alternative. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheets22.html	GVT	2.00 10 @ 1.00 2,000 @ 0.75
GZ34 Grade One	Mazda logo. Japanese made. NOS. Reliability and rugged modelled after famous USA brands like GE or RCA. Tested Guaranteed.	G1	40.00
GZ34 Grade One	Mullard UK/Holland with normal base. Tests new but a small stain in the glass, hence sold at Grade 1 price.	G1	100.00 8 @ 80.00
GZ34 Grade One	Mullard made in UK. Big base. Double ring getter. Test as Grade One. Small stain in glass, but good print and decent appearance.	G1	150.00 3 @ 140.00
GZ34 Grade One	Mullard logo. UK/Holland with big base or double ring or double D getter. Test as Grade one, tiny stain in glass. Good print. Almost new appearance.	G1	180.00
GZ34 Grade One	Mullard logo. UK/Holland with metal base . Grade One, some stain in glass. Guide price GBP250 wholesale.	G1	POA
GZ34 USED	Mullard logo, UK with normal base. Used, fully tested, working, guaranteed. Some glass stains. Do not look new, but look decent.	WB	POA
GZ34	Refer to 5Y3GT which may substitute for GZ34 in some applications. Please review exact data at tubedata.itchurch website.		
GZ37	Mullard logo UK. NOS.	OB/GVT	85.00
GZ37	Genuine Mullard UK item, but military print, instead of Mullard logo. NOS.	GVT	83.00 20 @ 77.00
GZ37	Please refer to 25Z6GT for a fantastic low cost alternative, not equivalent with a different heater voltage.		
GZ37	Please refer to PY32 and PY33 for possible alternative, not equivalent different heater volts etc.	OB/WB	
GZ37 / CV378 Grade One	Mullard logo UK. Tested as Grade One. Small stains in the glass, not new appearance, but decent appearance.	G1	77.00 8 @ POA
GZ37 / CV378 USED	Mullard logo UK. Tested/guaranteed. Some have spigot repair, meaning the spigot was broken and replaced with a black plastic piece. The repair is invisible when the valve is in equipment. Some have good spigots but black stains in the glass. All tested & guaranteed.	WB	55.00 8 @ POA
GZ37 / 53KU Grade One	Cossor logo UK. Tested as Grade One. These are used, not new appearance but tested guaranteed good print and decent condition. They are printed 53KU. These are the same shape etc as Mullard GZ37, they are not fat bulbous antique GEC/Cossor made version.	WB	POA
GZ41	Please refer to 6X4 / GZ41.		
H63	GEC sticker or Osram logo. NOS, UK. Audio type with many similarities to 6J5G/L63. These are H63 octal base triode, shoulder shape. H63 Tube Data: Vf=6,3V, If=300Ma, Va=250V L63 Tube Data: Vf=6,3V, If=300Ma, Va=250V, Ik50	OB/WB	15.00
H63	Please refer to 6F5GT. Audio triode wanted in Asia/USA. RCA, GE, Sylvania and Westinghouse. NOS and logo. Hundreds of 6F5GT in stock.		
HABC80 / 19T8	USA NOS. Please enquire about bulk prices.	Mostly OB	2.20
HIVAC	Please refer to CV2213, CV2293, GEC12, GS10 etc.		
HL2	Or equivalents such as PM2HL, PM1HF, PM1LF, CV1673, 210HL, 210HF or 201LF. 1 or 2 of each. All UK made NOS.	OB/WB	35.00 8 @ 30.00
HL2	Or PM2HL or CV1673 or 210HL or 210HF. 5 pieces UK. Test as Grade 1 (Used, good appearance, over 80 percent emission).	OB/WB	25.00
HL2	Or PM2HL or CV1673 or 210HL or 210HF. 5 pieces UK. Test as Used (approx 65-75 percent emission)	WB	15.00
HL2 / HL2K	These are VT50 GEC straight shape. NOS tested. Made in England. CV1050 VT50 military specification. Long silver	WB	45.00 8 @ 35.00

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
	anode, foil getter.		
HL4	West European made. NOS.	OB/WB	10.00
HL22	Mazda NOS. UK made. Please enquire for a price.	OB/WB	Stock
HL23	Mazda NOS. UK made. Please enquire for a price.	OB/WB	Stock
HL23DD	GEC & other UK made NOS. A triode double diode. Nice 1940s vintage AR8, HL23DD, CV1306 tubes. Triode has mu (gain) of 25, heater is 2 volts at 50 ma. These valves are new, tested/guaranteed. Some look a bit store soiled. But all look decent. Mazda octal socket to fit these valves, in stock, reference SOC89MC. Data www.r-type.org/exhib/aahoo13.htm	GVT	4.00 200 @ 3.00
HL41	Mazda, UK. Audio triode. Usually available.	OB/WB	12.00
HL41DD	Mazda, UK NOS. Audio triode diode.	OB/WB	12.00
HL210	Mixed UK brands. NOS. 2 pieces.	OB/WB	35.00
HL210	MOV equivalent. NOS UK.		50.00
HL210 USED	Mixed UK brands. Used, tested. 3 pieces.	OB/WB	35.00
HL210 USED	MOV equivalent. UK, tested.		20.00
HLDD1320	NOS. Double Diode Triode. Data www.tubedata.org	OB/WB	10.00
IN-4	Alias 1N4, Russian NOS Nixie tube. These are in original military bulk pack. There might be information about this tube at https://groups.google.com/forum/#!forum/neonixie-l	WB	4.20 35 @ 2.50
IW4-350	Brimar, MOV and STC – UK made NOS. Similar to MU14, U14, etc.	OB/WB	15.00
IW4-350 Grade One	Brimar, MOV and STC – UK made NOS. Similar to MU14, U14, etc. Tests as Grade One.	G1	9.50
IW4-500	Brimar, MOV and STC – UK made NOS. Similar to MU14, U14, etc.	OB/WB	15.00
IW4-500 Grade One	Brimar, MOV and STC – UK made NOS. Similar to MU14, U14, etc. Tests as Grade One.	G1	9.50
K347A	EEV UK NOS. New, unused, guaranteed. Believed to be 1990s manufacture. An EEV amplifier klystron. Pulse operation 600 Kw output power peak. Tuning range 580-615 MHz. More data from our office on request. Prices negotiable. Government/military box.	GVT	POA 2 @ POA
KR242 / RS242	These are KR242 KR logo NOS. Very near equivalent to RS242. Made in Czech Republic by KR Audio, UX4 base. We can advise you where to purchase adapters to convert UX4 to B4. Estimated price is 375GBP per tube, please ask for confirmation. Data http://frank.pocnet.net/vademecum4.html	OB	POA
KT2 / VR118	MOV UK NOS. Shoulder shape. Audio type. Equivalent to PEN220 and PM22. Pdf data: http://www.r-type.org/exhib/aaq0451.htm	OB/WB	15.00 20 @ 12.00
KT8C	MOV UK NOS.	OB/WB	50.00
KT8C USED	MOV UK test as used. Guaranteed.	WB	POA
KT33C	GEC or Marconi UK NOS. With sticker/logo. Tested/guaranteed. Some similarities to KT66. Data http://electronbin.com/sheetsK.html	OB/WB	24.00
KT33C	GEC / Marconi UK NOS. With sticker/logo. Tested/guaranteed. Singles, not sets of 2 pieces of the same appearance.	OB/WB	15.00 4 @ 13.00
KT33C Grade One	GEC / Marconi UK. Test as G1. Look decent, do not look new. With sticker/logo. Guaranteed. Sets of 2 or 4 pieces of the same appearance.	G1	15.00 4 @ 12.00
KT33C Grade One	GEC / Marconi UK. Test as G1. Look decent, do not look new. With sticker/logo, guaranteed. Singles. Not sets of 2 pieces of the same appearance. Data in NOS KT33C section above.	G1	12.00 4 @ 10.00
KT36	GEC / Marconi / MOV, UK NOS. With sticker/logo. Tested/guaranteed. Possible audio type.	OB/WB	9.00 40 @ 7.00
KT41	MOV. UK made. NOS. Please enquire for price.	OB/WB	16.00 8 @ 14.00
KT41 USED	MOV. Used and Tested. Please enquire for price.	WB	8.00
KT44	MOV / Marconi UK manufacture, audio pentode, with some similarities to KT66, KT88.	Most GB	30.00 4 @ 27.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
KT44 USED	Tested guaranteed. 2 GEC sticker. 2 MOV logo. 2 Marconi sticker. 2 black anode, 2 grey anode. UK made, audio pentode. Partly similar to KT66.	WB	12.00 10 @ 9.50
KT45 USED	MOV UK. Used, tested. 8 pieces. Enquire about NOS.	WB	10.00 8 @ 8.00
KT45	MOV UK NOS tested. 4 pieces.	OB/WB	20.00
KT61	GEC/MOV, usually available. NOS.	OB/WB	60.00
KT61 USED	GEC/MOV.	WB	30.00
KT61	Please refer to 6P25 , which you could consider as a near equivalent. Free data available showing small difference		
KT63	GEC, MOV, Marconi sticker UK NOS. Octal audio pentode. Sets of 2 pieces identical. Data www.tubedata.org Photo http://www.r-type.org/exhib/aad0239.htm	OB/GB	45.00 6 @ POA
KT63	GEC, MOV, Marconi sticker UK NOS. Audio pentode. Singles not sets of 2 pieces, identical appearance.	OB/WB	35.00 8 @ 32.00
KT63 USED	Tested guaranteed. 2 MOV, 2 Osram, 2 GEC. All UK made and in sets of 2 same appearance.	WB	22.00
KT66	BILLINGTON GOLD Chinese manufacture. Big glass size like GEC. New guaranteed. Limited quantities.	OB	26.00
KT66	BILLINGTON GOLD logo Chinese manufacture. Straight sides GT shape. New, tested, guaranteed.	OB	16.00 8 @ 14.00
KT66	Chinese GEC style or GEC replica. Size and appearance is very similar to the UK GEC item. Tested/guaranteed.	BP	21.00 10 @ 20.00
KT66	GEC, please refer to KT33C for possible alternative, not equivalent.		
KT66	GEC or Osram or Marconi. UK NOS. Antique large shoulder shape. Some are printed VT75. 2 pieces of the same appearance.	OB/WB	260.00
KT66	Marconi or Osram, with logo or sticker, UK NOS. Straight shape. Few only.	OB	190.00
KT66	GEC sticker, UK NOS. Straight shape. 8 pieces all look the same. Clear glass, brown base, test at 100 percent emission NOS.	OB	190.00 8 @ 175.00
KT66	JJ logo by Tesla, recent Slovakian made. The size is very similar to GEC UK KT66. Tested, identical and guarantee.	OB	32.00
KT66	Mullard UK NOS. Printed CV1075 KB/T. Mullard made these in UK for Tungsram. Estimated 1950s made. Shoulder shape. 3 pieces look the same.	WB	100.00 3 @ 80.00
KT66	Original Marshall Gold label tubes. Chinese made. New & computer tested by Marshall. Tested as match pairs, or match quartets by Billington. 2008 manufacture. Great value grey quality. Ideal for guitar amps and hi-fi.	WB	20.00 4 @ 19.50
KT66 Grade One	GEC, Osram or Marconi. UK NOS. Antique large shoulder shape. Some are printed VT75, 2 pieces of the same appearance. Test around 80 percent emission, good appearance but not new appearance.	G1 box	160.00
KT66 Grade One	GEC UK. Antique shoulder shape. Grade 1 (around 80 percent emission). Usually available at GBP200 wholesale.	G1	POA
KT66 Grade One	GEC sticker, UK Grade One. Straight shape (around 80 percent emission). Usually available at GBP120 wholesale.	G1	POA
KT66 Grade One	GEC sticker, UK. Straight shape. Test as Grade 1 (around 80 percent emission). 4 pieces all look the same. Clear glass, brown base. Good appearance, but not new appearance.	WB	120.00 4 @ 115.00
KT66 USED	GEC sticker. UK NOS. GT shape. 2 clear glass, 2 grey glass, 2 black base, 2 brown base. All in set of 2 pieces of the same appearance. Test at least 65 percent emission. Don't look new but look decent with good GEC print. Guaranteed.	OB/WB	90.00
KT66	Use 5881 or 6L6GC/WGC which are very similar.		
KT66 / 5A-102D	These are 5A-102D STC logo. UK NOS. Similar to KT66 but lower gm and 7.5v heater. Data http://electronbin.com/sheets51.html	GB logo	28.00 6 @ 20.00
KT66/ 5A-102D	These are 5A-102D STC logo. UK. Test as Grade 1 .	G1	20.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
Grade One	Data in 5A-102D NOS section.		10 @ 15.00
KT71	Marconi KT71 (50L6G) audio beam tetrode. Marconi / Osram with logo. UK NOS. Similarities to KT66 but has 50V heater.	OB/WB	19.00 5 @ 17.00
KT74	Osram with logo. UK NOS. Similarities to KT66 but has 15V heater. Vade mecum. Data http://frank.pocnet.net/vademecum3.html	OB	20.00 20 @ 15.00
KT77	JJ recent Slovakian made. New.	OB/WB	16.00 2 @ 15.00
KT77	GEC sticker. NOS. Tested perfect.	OB	300.00 2 @ 280.00 4 @ POA
KT77	GEC sticker. NOS. Tests slightly less than perfect NOS, but is still a NOS tube. Guaranteed. 1 only. Perfect item would be GBP300.	OB	240.00
KT77	GEC sticker, unused. Look nearly new but test at approx 70 percent emission.	WB	150.00 4 @ 130.00
KT81	GEC, Marconi & Osram. Equivalent to 7C5. UK NOS. Near equivalent to 6V6GT but different base. 7C5 is loctal base.	OB/WB	7.00
KT81 USED	GEC, Marconi & Osram. Equivalent to 7C5. Near equivalent to 6V6GT but different base, UK. Used & tested.	WB	3.70 10 @ 3.00
KT88	BILLINGTON GOLD logo. Chinese. New improved design. Top quality, highly recommended. Tested, with guarantee.	OB	27.00
KT88	Chinese Golden Gate brand (GG). New & unused. But test like used (approx 70 percent emission) so sold at used price. Good audio dynamics. Cost effective power tubes for your amplifier. We offer these at a discount, as the glass bulbs are slightly off centre, some have glass rattles. This does not affect the operation of the tube. Tested & guaranteed.	WB	8.00 16 @ 7.50
KT88	Chinese Gui Guang GG. New. Good audio dynamics. Cost effective power tubes for your amplifier. We offer these at a discount as the glass bulbs are slightly off centre. This does not affect the operation of the tube. Tested & guaranteed.	OB	16.00 12 @ 15.00
KT88	Chinese. Improved design. New, tested/guaranteed. Attractive appearance, shiny chrome base. Reference KT88-98. Some people refer to this as "GEC style".	WB	23.00 20 @ 21.00
KT88	Gold Lion, original logo. Recent Russian manufacture. New, tested. Guaranteed.	OB	52.00 4 @ 48.00
KT88	KR Audio. Currently out of stock, please enquire if interested.		POA
KT88	Not sets of 2 pieces identical appearance. Meaning wafer, anode colour etc varies. Brown wafer, black wafer, grey anode, black anode etc. Electrical matched pair.	OB	350.00 4 @ 325.00
KT88	GEC, UK. NOS. Sets of 2 pieces identical appearance.	OB	475.00 4 @ 450.00
KT88	JJ, Slovakia by Tesla. New / NOS.	Most OB	26.00
KT88	Svetlana Russia "S" logo. 4 pieces. (For information only, Svetlana C logo. Not made since 2010).	OB/WB	25.00
KT88	Sovtek Russia 2 pieces.	WB	20.00
KT88	In 1995 our agent built an amplifier using S11E12 as a near equivalent to KT88. Circuit diagram and information about amplifier is available free.		
KT88	Please refer to S11E12 STC, which is similar, but not the same. Specialist electronic modifications would be necessary to change circuit board.		
KT88	Please refer to RS1003 possible alternative, not equivalent. RS1003 has a B5F base and a slightly different gm.		
KT88	Please refer to TT21, very similar but TT21 has top cap/anode cap.		
KT88 PEN46	Please refer to 11E3 for similar audio pentode, not exact equivalent.		
KT88 USED	GEC sticker UK made. Used clean tested. Getter may be partly brown colour. Guide price GBP175 wholesale price for singles, 400GBP for	OB/WB	POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
	match pair.		
KT88 USED	GEC sticker UK made. Used clean tested. You will receive 2 pieces used KT88 GEC. Black anode. 2 pieces Identical in appearance. Fully Tested (Avo VCM163 tester). Book Specification for 100 percent new would be: anode current 57mA, emission 8 MA/V. Tube 1 is 50mA, 6.6 MA/V Tube 2 is 54mA, 6.7 MA/V They are a matched pair and over 80 percent emission. With original GEC boxes. GBP200 per tube.	OB	POA 400 for 2 pieces
KT88 Grade One	GEC UK with GEC sticker. Tests near new, looks decent, doesn't look new. Choose: - Sets of 2 pieces same appearance but not electrical match pair, or - 2 pieces electrical match pair, but not the same appearance.	G1	270.00 2 @ 250.00 4 @ 225.00
KT90	Electro Harmonix logo, Russian. NOS. Tested, guaranteed.	OB	30.00 4 @ 28.00
KT90	EI, Yugoslavia. NOS. Very rare. Manufacture ceased 10, possibly 20 years ago. Guide price GBP40 wholesale.	WB	POA
KT90 USED	Used real EI 1990s made, EI logo. Used tested, not new appearance but guaranteed.	WB	30.00
KT99	Equivalent to KT90 , KT100 and KT88		
KT101 / KT66	These are KT101 MOV UK NOS with logo. A loctal base audio output beam tetrode, with similarities to KT66, but 80v heater. These KT101 can be "strapped" as a triode. With a load of 3k and a cathode resistor or 180 Ω, KT101 would generate 3.8W at 12 percent distortion. Data etc www.r-type.org/exhib/aay0030.htm	OB/WB	20.00 30 @ 16.00
KT120	Tung-Sol, Russian. New. Tested, guaranteed.	OB	45.00 4 @ 38.00
KTW61	MOV UK NOS. With logo. Sets of 4 same brand / same appearance. Data/photo http://www.r-type.org/exhib/aaa0503.htm	Most GB	11.00 25 @ 9.50
KTW62	MOV UK NOS. With logo. Sets of 4 same brand / same appearance. Data/photo http://www.r-type.org/exhib/aaa0666.htm	Most GB	11.00 8 @ 10.00
KTW62 Grade One	Mostly GEC, Grade One.	G1	8.00
KTW62 USED	Mostly GEC, Used.	WB	8.00
KTW63	GEC / MOV UK NOS. With logo. Sets of 4 pieces same brand / same appearance. Data/photo http://www.r-type.org/exhib/aaq0114.htm	GBox	19.00 8 @ 17.50 More @ POA
KTW63 Grade One	GEC, Grade One.	G1	8.00
KTW63 USED	Mostly GEC, Used.	WB	8.00
KTW63 / 6K7G	Wrongly printed KTW63 GEC. These are USA made 6K7G. All NOS. ST Shape. A variable Mu octal pentode for audio compressors.	GVT	10 @ 5.00 30 @ 4.00
KTZ41	UK, NOS. GEC sticker. 40 x GT straight shape CV1698. 20 x MOV, shoulder shape. Audio pentode. Data: find link and pdf www.r-type.org/exhib/aaa1390.htm	Mostly GB	8.00 40 @ 7.00 60 @ 6.00
KTZ73	CV1343 GEC, UK NOS. An octal pentode with some similarities to EF86. Data/photo www.tubecollector.org/cv1343.htm	WB	10.00
L63	Or 6J5G UK NOS. GEC, Marconi or Osram with sticker. Grey glass, shoulder shape. Several in stock.	WB	80.00
L63	GEC sticker, UK NOS. Straight sides, clear glass. Guaranteed and identical.	GVT	32.00 10 @ 29.00 50 @ 26.00
L63	MOV UK made. Metal base, straight sides NOS. Guide price GBP100 wholesale.	OB/WB	POA
L63 Grade One	GEC sticker, UK. Straight sides, Grade One. When available.	G1	POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
L63 Grade One	UK made. GEC sticker. 2 pieces the same appearance/same brand. Grey glass, shouldered shape. Test as grade 1.	G1	40.00
L63 USED	UK made MOV. Straight shape, used and tested. When available.	WB	POA
L63 USED	UK made GEC sticker. Shoulder shape, used, tested 65-75 percent emission approximately, guarantee.	GVT	30.00
L63	Please refer to 6J5G/T - ten times cheaper!		
L5261	L5261 USA NOS. Litton made magnetron. Good quantities in actual physical stock. Please enquire.	Most OB	POA
L-5271	L5271 USA NOS. Litton made magnetron. Good quantities in actual physical stock. Please enquire.	Most OB	POA
L-5272	L5272 USA NOS. Litton made magnetron. Good quantities in actual physical stock. Please enquire.	Most OB	POA
LK4112	Data http://tubebooks.com/tubedata/short/054/1/111.pdf When available.	OB/WB	POA
LP2 USED	UK. Used, tested. Like VR22.	WB	10.00
LP220	Tungsram logo UK made. NOS, tested. Like VR22.	OB	20.00
LS7	GEC sticker, NOS. Shoulder shape. Data: Vf=4.0V, If=150Ma, Va=150V, Ik=21Ma, S=2.4Ma/V. Data & curves at www.tave.co.uk , home page. Photo elsewhere on www.tave.co.uk .	GVT	32.00 8 @ 30.00 20 @ 27.50 80 @ 27.00
LS7	MOV VT108B balloon sometimes available. NOS or used.	OB/WB	POA
LS7B	UK made Marconi sticker. Audio triode. Balloon shape. NOS, tested with guarantee.	OB	POA
LS8A	GEC VT82 UK NOS. Balloon shape GBP70, shoulder shape GBP50. 2 or 3 of each shape.	OB/WB	70.00
LS9B	GEC VT80A UK NOS. Balloon shape GBP70, shoulder shape GBP50. 1 or 2 of each shape.	OB/WB	70.00
M505	EEV UK. NOS Magnetron. NOS but untested. Guaranteed 90 days from dispatch date. Data/photo at www.tubecollector.org/m505.htm .	OB/WB	15.00
M5028	EEV UK. NOS Magnetron 2 or 3 pieces 1990s manufacture. Unused. Open to offers. You would need to test these items we cannot test them here.		POA
M519B	UK NOS. Magnetron. Clean and guaranteed.	GVT	POA
M528	EEV UK NOS CV1495 / CV160 Magnetron (S-BAND PULSE). 1 only. Data www.r-type.org/static/webcv03.htm	GB	20.00
M566R	CV8097 EEV UK NOS Magnetron (S-BAND PULSE). Data https://frank.pocnet.net/other/EEV/Magnetrons_1970.pdf , or www.r-type.org/static/webcv03.htm , or email us.	GB	300.00
M569W	EEV UK [CV8001] Magnetron, guaranteed. Offers invited for this expensive magnetron.	GVT	800.00
M575A	EEV UK Magnetron 1990s manufacture. Clean and guaranteed.	GVT	350.00
M575B	EEV UK Magnetron 1990s manufacture. Clean and guaranteed.	GVT	350.00
M591B	EEV UK NOS. Magnetron, guaranteed. Offers invited.	GVT	350.00 18 @ 300.00
M5055	EEV UK. NOS Magnetron. New / NOS. Guaranteed 6 months from date of dispatch.	OB/WB	POA
M5125 / M5125P	EEV UK. Similar to M5125. Enquire for data. 1990's made. 12 months guarantee.		2,000.00 5 @ 1,600.00
M8100	Equivalent to CV4010 .		
M8136	Equivalent to CV4003/ECC82 .		
M8136	Please refer to CV4034 Brimar and Mullard flying lead version. Bargain prices!		
M8137	Equivalent to CV4004/ECC83 .		
M8162	Equivalent to CV4024/ECC81 .		
M8167	Mullard equivalent to M8167 = CV471 = EL70. Potential audio type.	GVT	2.30 10 @ 2.00

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
	Data available free on request or try www.tubedata.info or www.tubecollector.org		50 @ 1.70 500 @ 1.50
M8212	Equivalent to CV4025 .		
ME1401	Mullard, UK NOS. CV2269. Sub miniature triode. 25V DC anode, heater is 13ma at 1.25 volts. Use battery supply.	OB/WB	6.00
ME1403 / 5886 / CV2348	Raytheon USA NOS or other USA brands. Electrometer triode. Data/photos http://www.r-type.org/exhib/aaa0747.htm	OB/WB	4.50 5 @ 3.20 30 @ 3.00
MG5236	EEV UK NOS. Magnetron. Clean and guaranteed. 6 pieces.	GVT	POA
MH4	UK NOS. Balloon shape. 4 pieces look the same.	WB	65.00 4 @ 60.00
MH4	UK NOS. Shoulder shape.	OB/WB	52.00
MH4	UK NOS. These are CV1173 or 354V, near equivalent to MH4. Would plug in to replace MH4. Shoulder shape. Gold metallising. NOS but store soiled appearance.	WB	37.00 5 @ 33.00
MH4	UK NOS. Balloon shape.	WB	38.00
Grade One	We should have 20 pieces of the same appearance. Test as Grade One.G1.		4 @ 36.00 20 @ POA
MH4 USED	UK. Shoulder shape. Test as used.	OB/WB	25.00
MH4 / AC2-HL	UK, NOS. These are AC2-HL (near equivalent to MH4).	OB/WB	27.50
MH4 / HLA2	UK, NOS. These are AC2-HL (near equivalent to MH4).	OB/WB	27.50
MH4 / HL4	These are HL4 Tungstam West European made. Grey ST shape version NOS. Equivalent to MH4. Data http://www.r-type.org/exhib/aby0006.htm And http://www.r-type.org/exhib/aac0037.htm	OB	12.50 10 @ 11.50
MH41	Marconi and GEC, UK NOS. ST shape.	OB/WB	28.00
MH41	West Europe. Tested as Grade One.	G1	18.00
Grade One			
MH4 / 41MTL	These are 41MTL. They are equivalent to MH4. KK Grade One,	G1	32.00
Grade One			
MHL4	UK NOS. Shoulder shape. Tests as Grade One.	G1	20.00
Grade One			
MH41 USED	Marconi and GEC, UK. Used, tested. ST shape.	OB/WB	14.00
MH41 41MH	Marconi and GEC, UK NOS. Balloon shape.	OB/WB	110.00
MHLD6	UK NOS with logo. Grey glass. MHLD6 are similar to L63, but MHLD6 has top cap/anode cap. Data on request. 8 MOV, 4 STC. All UK NOS.	OB/WB	15.00 10 @ 14.00
MHLD6	MWT UK NOS, grey glass. ST Shoulder shape. MHLD6 are similar to L63, but MHLD6 has top cap. Data on request.	OB/WB	15.00 6 @ 14.00
MHLD6	MOV UK, NOS. Straight shape.	Most G box	14.00 10 @ 12.00
MKT4	MOV UK NOS. Shouldered shape. Please specify 5 pin or 7 pin version, both same prices. Audio pentode. Data http://www.r-type.org . Equivalent to AC/PEN. 10 pieces, not all are same appearance.	OB/WB	15.00 10 @ 12.50
MKT4 USED	MOV UK. Used and tested. Shouldered shape. Please specify 5 pin or 7 pin version, both same prices. Audio pentode. Equivalent to AC/PEN. 10 pieces, not all are same appearance.	OB/WB	7.50 10 @ 6.00
ML4	GEC UK made. NOS, tested. Shouldered shape. Grey glass, black anode, solid getter. 5 pin base. Audio pentode. 40 pieces all the same appearance.	GBOX	30.00 8 @ 25.00 40 @ 22.00
ML4	MOV UK made NOS. Shoulder shape.	OB/WB	40.00
ML4	Marconi logo or GEC sticker. Tests as Grade 1.	G1	22.00
Grade One			4 @ 20.00
ML4 / DL	GEC logo, UK. NOS balloon shape. This is valve type DL. It is a 16 volt heater, equivalent to ML4. The same as ML4, except for heater voltage.	OB	20.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
ML6	GEC sticker, UK NOS. White ceramic base. Sets of 2 pieces same appearance.	GB	55.00 4 @ 48.00
ML6 Grade One	GEC test as Grade 1. When available.	G1	37.00
ML6 USED	GEC test as Used. When available.	WB	25.00
ML-8533	Matchlet and other USA.	OB/WB	POA
ML-8536	Matchlet and other USA.	OB/WB	POA
MPT4	MOV. UK made. New and Used. All tested. Please enquire for price.	OB/WB	Stock
MS-PEN	MOV or Cossor, UK. NOS. With logo or sticker. Data on request.	OB/WB	20.00 4 @ 15.00 24 @ 12.00
MS4B	Please refer to KTZ41, which is similar not the same.		
MU14	GEC UK NOS. Audio rectifier. Rare version, tall shouldered shape, solid disc getter otherwise known as pan getter or cup getter.	WB	25.00 8 @ 22.00 20 @ 20.00
MU14	UK made STC, Brimar, Mullard UK NOS. Mixed appearance.	OB/WB	15.00 4 @ 14.50
MU14 Grade One	Mullard / STC / Brimar with logo. Test as Grade One. Mixed appearance.	G1	9.50 10 @ 8.00
MX188	Refer to ZP1550		
MZ2-200	Not in stock. Possibly available in future, please enquire.		POA
N1034A	EEV UK NOS. CV2381. A backward wave oscillator (a microwave device). Data on request. 9 pieces. Near offers considered	GTV	500.00 9 @ 400.00
N16	Osram UK NOS. An octal audio output pentode. Data/photo on the following website. www.r-type.org	OB/WB	6.00 40 @ 5.00
N17	UK NOS in stock.	Mostly GVT	POA
N37	GEC/MOV UK. UK audio pentode.		7.00 50 @ POA
N43 / CV1675 / VT107	GEC UK NOS. Military spec, made for UK-GPO. Audio output pentode . 1940s genuine British made. Tested/guaranteed. Fits B7 socket not B7G. Sockets and caps to fit from stock. Photo/data www.tubecollector.org/cv1675.htm	WB	20.00 10 @ 13.00 50 @ 12.00
N43 / CV1675 USED	GEC UK. Audio pentode / pulse amplifier tetrode. Nice 1940s vintage genuine British made. Used, clean, tested/guaranteed. Data and info re socket above.	OB/WB	5.00 50 @ 3.50
N78	GEC/Marconi - UK. Some similarities to EL84 but a different base. Data/photo http://www.r-type.org/exhib/aaa0341.htm	OB/ GVT	7.50
N78 USED	GEC sticker - UK. Used tested. Some similarities to EL84 but a different base. Data/photo http://www.r-type.org/exhib/aaa0341.htm	BP	4.50
N709 (EL84)	GEC sticker - UK NOS. Square getter plate. 3 pieces. Equivalent to EL84. Near offers possible. Data/photo http://www.r-type.org/exhib/aaa0609.htm	GVT	200.00 3 @ 175.00
N10028 USED	EEV T.W.T. Used but working and clean.	OB/WB	POA
Nixie	We should have 5 or 15 pieces of each of the following: 6476A, A101, IN-4 USSR, ZM1000, ZM1021. Please enquire for price/availability.		POA
Nixie	Nixies and Dekatrons. We should have 5 or 15 pieces of the following: Z520M, IN-4 USSR, ZM1022, ZM1100, OG-4, Z303C, VS10G, GC10B, GC10-4B, GR10A/Z503M, GS10D, GD150A. Please refer to catalogue or contact our office for price/availability.	OB/WB	POA
NJC3901B	JRC Japan. New, with guarantee.	GVT	90.00
NSP1	UK NOS in stock. Strobotron' neon discharge tube. 20 pieces. Data http://tubedata.itchurch.org/sheetsN.html	OB/WB	5.50 20 @ 5.00
NSP2	UK NOS in stock. Strobotron' neon discharge tube. 20 pieces. Data/photo http://www.r-type.org/exhib/aaa1253.htm	OB/WB	5.50 20 @ 5.00
NT2	Hivac CV2213/NT2. This voltage regulator/stabiliser might suit audio applications. NOS clean and guaranteed.	GVT	4.00 200 @ 2.50

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Data/photo at http://www.tubecollector.org/cv2213.htm		
OA2	Audio stabiliser tube. MIXED brands USA made. Used, tested. Fantastic low price! Some might be NOS, but these are sold at cheap used price. At this price, we cannot sort brands, constructions or other special requests. Guarantee is limited to "all or none". This is reflected in the price. A useful, audio tube at fantastic cheap price.	Old WB	1.50 10 @ 1.20 300 @ 1.00
OA2	Mullard, UK. NOS.	GB/OB	8.00 50 @ 7.00 100 @ 6.25 200 @ 6.00
OA2	RFT / Zaerix / WF brands, made in East Germany or Russia. NOS.	WB/OB	3.00 200 @ 2.40
OA2	USA / West Europe. NOS. 100 pieces, 6 or 7 brands in total. Including STC/Brimar, RCA, Raytheon, Sylvania, Westinghouse, Tung-Sol USA. Most have logo.	OB/WB	3.00 100 @ 2.80
OA2	West Europe or USA, NOS. 300 pieces. The glass is printed only "OA2 West Europe" or "OA2 USA made". They seem to be a mixture of Mullard, EEV, Brimar, Sylvania, RCA, Raytheon. At this bargain price, you can't go wrong.	Plain WB	2.80 20 @ 2.50 100 @ 2.20
OA2WA	EEV UK NOS. Equivalent to 150C4.	OB	8.00 40 @ 7.00
OA2WA	Sylvania logo, USA. NOS.	Most OB	3.50 50 @ 2.80
OA2 / 150C4	These are 150C4, equivalent to OA2. 20 x EEV UK NOS & 20 x Mullard UK NOS.	OB	8.00 20 @ 7.00 40 @ 6.50
OA3	RCA USA NOS, incl a few STC, Raytheon and Brimar at the same price. Audio type. Data http://tubedata.itchurch.org/sheets0.html	GB	5.00 6 @ 3.50 200 @ 3.00
OA74	Equivalent to GEX44. Believed to be Mullard UK made. NOS. Suitable for guitar fuzz boxes etc. Germanium diode.	OB	1.00 500 @ 0.75
OA81 alias OA81	OA81 alias OA81. Mullard UK new / NOS. Germanium diode.	OB/WB	1.00 20 @ 0.80 1,500 @ 0.60
OB2	EEV, Mullard, UK NOS. Please enquire.	GB/OB	POA
OB2	Hytron logo USA. NOS. Guaranteed. Stabiliser tube, useful for audio.	GB	4.00 100 @ 3.20
OB2	RFT Made in East Germany.	OB/WB	4.00 50 @ 3.20
OB2	UK NOS. EEV, Mullard.	OB/WB	7.00
OB2	West European made. 200 of each brand Cifte / Mazda / French Philips. NOS. Guaranteed. Stabiliser tube, useful for audio.	GB	8.50 100 @ 7.00
OB2 USED	Chinese/Russian. Used, untested but guaranteed. These are egg crate bulk pack.	BP	1.50 50 @ 0.80 500 @ 0.70
OB2WA	EEV UK NOS. A few might exist, please enquire.		POA
OB2WA	RCA logo USA NOS. The government boxes printed JRC, which we believe is "JAN". Guaranteed. Stabiliser tube, useful for audio.	GB	4.00 100 @ 3.20
OB2 / 5644	5644 Raytheon from the USA military. NOS are partly similar to OB2. Potential audio type. USA made. A wire leaded sub-miniature gas regulator tube that regulates from 5 to 25 Ma at 90 volts DC. A long lasting good quality voltage regulator. Data http://tubedata.itchurch.org/sheets5.html Photo www.tave.co.uk	OB	3.50 5 @ 2.67 100 @ 2.00 500 @ 1.80 2,000 @ 1.20
OC3	Please refer to VR105-30 for pricing.		
OC23 / CV7054	Germanium power transistor. Military spec and UK made. Mica and plastic mounting washes included. NOS, unused and 1 piece per origin-	OB	5.00 5 @ 3.34

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TYPE	COMMENT	BOX	£ GBP PRICE each
	al box. Suitable for guitar fuzz boxes etc.		100 @ 3.20
OC29	Believed to be Mullard UK made. Transistor NOS. Suitable for guitar fuzz boxes etc. Germanium transistor.	OB	3.00 100 @ 2.00
OC35 / CV5328	Germanium power transistor. Military spec and UK made. Mica and plastic mounting washes included. These come as matched pairs so the price is for 2 pieces of OC35 or 1 pair. New, unused and original box. Suitable for guitar fuzz boxes etc.	OB	Per Pair 7.50 30 @ 5.00 100 @ 4.50
OC36 USED	Germanium power transistor. Mullard UK made. Used but long lead and guaranteed.	WB	1.50 10 @ 1.20
OC45	Transistor. USA or UK made. NOS. black construction.	WB	1.50
OC71	Made by Mullard UK but not printed Mullard. Mullard codes on these germanium transistor. NOS. Suits guitar fuzz boxes.	OB	3.60 20 @ POA
OC75	Black glass germanium power transistor. Military spec and most are Mullard UK made. 1960s made. New, unused guaranteed.	OB/WB	9.60 30 @ 8.00
OD3	NOS with logo. Suits audio amps by Bottlehead Foreplay, Smash and Manley, gas discharge tube/voltage regulator. For prices please see VR150 entry.	OB	
OD3	Visseaux logo, French made NOS. 60 pieces. For prices please see VR150 entry.	GVT	5.00 10 @ 4.00
OD3 USED	Made in USA. Most Marconi or Westinghouse. Audio type. Used, tested/guaranteed. Deduct 0.25 GBP if you accept without a white box.	WB	2.30 10 @ 1.80 150 @ 1.50
OD3 / VR150-30	Westinghouse or Marconi. USA or Canada. NOS with logo. Audio type. Equivalent to OD3. Octal base gas discharge tube/voltage regulator. Suits audio amps by Bottlehead Foreplay, Smash and Manley. Data http://electronbin.com/sheetsV.html (look at OD3 equivalent).	OB	6.00 50 @ 3.80
OG-4	NOS. USSR Dekatron or similar. 10 in stock.	OB/WB	4.00 10 @ 3.00
OQQS5 / 1500	Tungsrham, Hungary. Audio triode. NOS. Seen in audio amplifiers in recent years. Data: Vf = 7.5V, If = 3000Ma, Va = 1500V, Pa = 50W, S = 2.2Ma/V. More data on request.	OB	70.00
ORP12	Mullard, UK / Holland with logo. ORP11 is similar to orp12 but not the same. Morgan Jones in his book Valve Amplifiers employed this light sensitive resistor as an audio volume control. Optical device, data/photo for ORP11 at http://www.r-type.org/exhib/aad0275.htm More data from our office black binders.	OB	3.00 10 @ 2.40 200 @ 1.00
P2 USED	West European. Used tested/guaranteed. When available.	WB	10.00
LP2	GEC UK NOS. Equivalent to CV1166. Straight shape.	GB	19.75 4 @ 19.00
P2	MOV UK NOS. Equivalent to CV1020 PM2 VT20. Shoulder shape.	OB/WB	25.00
P12-250	Tungsrham UK. Near equivalent to PX4.	OB	200.00
P61	UK NOS. Mazda, STC, etc. When available.	OB/WB	7.50
P220	Equivalent to LP2 and CV1166. GEC sticker UK NOS. Straight shape 10 identical pieces. Data/photo http://www.tubecollector.org/cv1166.htm	GVT	20.00 10 @ 19.00
P220	GEC logo, UK NOS GT shape like VR22.	Most GB	20.00
P410	UK made. Balloon shape MOV. Please enquire for a price.	OB/WB	Stock
P615	Tungsrham. NOS. Audio triode. When available.	OB	100.00
P625	or equivalent UK NOS, such as PM256, NT20, CV1208, shoulder shape. Please ask re quantity.	OB/WB	75.00
P625	Balloon shape. UK NOS. Please ask re quantity.	WB	250.00
P8211	UK NOS, 6 month guarantee.	OB/WB	400.00
P8212	UK NOS, 6 month guarantee.	OB/WB	500.00
PC86	These PC86 East European can replace 5842/ 417A, but the pin-out of base will need adjustment. PC86 USSR including Zaerix NOS.	OB/WB/BP	2.50 20 @ 1.50

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Clean, guaranteed. This type suits audio tuners. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheetsP.html		300 @ 1.30
PC86	Mazda West European NOS. Audio tuner valve. These PC86 can replace 5842/417A but the pin-out of base will need adjustment. Data: Vf=3.8V, If=300mA, Va=220V, Ik=20mA, S=14mA/V, Pa=2.2W	OB/WB	4.00 20 @ POA
PC88	NOS, East European. Required for audio tuners. Data VF=4.0V, If=300Ma, Va=230V, Ik=13Ma, S=13Ma/V, Pa=2 W. For data/photo refer to PC88 Mullard below.	OB	3.00 50 @ 2.00 300 @ 1.70
PC88	Mullard, West European. Most have logo. NOS. Required for audio tuners. Equivalent to 4DL4 B9A base single triode. Data VF=4.0V, If=300Ma, Va=230V, Ik=13Ma, S=13Ma/V, Pa=2 W. More data http://tubedata.itchurch.org/sheetsP.html Photo www.tave.co.uk	Most OB	4.00 20 @ 3.20
PC88	West German Valvo, NOS. Arriving soon. Please ask for prices.	OB/WB	500 @ POA
PC97	Bentley Acoustic logo - Russian. PC97 is almost identical to 6GK5 except the heater voltage. NOS but eggcrate bulk pack so add 25 pence if WB required.	BP	1.20 300 @ 1.00
PC97	Mazda logo - UK NOS. 1970s vintage PC97 4FY5. Long lasting good quality NOS signal triode. PC97 is almost identical to 6GK5 except the heater voltage. Data www.mif.pg.gda.pl/homepages/frank/sheets/030/p/PC97.pdf	OB	1.50 100 @ 1.20
PC900	Equivalent 4HA5. Mullard logo, West European NOS. Suits AUDIO tuners.	Most OB	6.00 4 @ 5.00 200 @ 4.80
PCC84	East European. 5 of this brand, 10 of that brand. Guaranteed NOS. Audio double triode.	OB/WB	2.40 20 @ 2.00
PCC84	150 Mazda logo, UK NOS. Audio double triode.	OB	3.50 150 @ 2.50
PCC84	250 Mullard UK NOS and 50 Fivre, Italy NOS. Audio double triode. Data http://tubedata.itchurch.org/sheetsP.html Photo www.tave.co.uk	WB	6.00 100 @ 5.00 300 @ 4.50
PCC85	East German RFT (small quantity), larger quantity Tungsram Hungary. All NOS. This double triode operates in similar way to ECC85, but heater voltage is different.	WB	6.00 40 @ 5.00 100 @ 3.75
PCC85	Japan. NOS manufacture.	OB/WB	5.00 100 @ 4.00 200 @ POA
PCC85	Mullard logo West Europe NOS. Tested guaranteed.	Most OB	6.00 36 @ 5.00
PCC85	Telefunken logo West German NOS. With <> Tested guaranteed.	Most OB	35.00 4 @ 28.00
PCC88	Tesla NOS Vintage Tesla. Made in Czechoslovakia, with logo.	OB	7.50 10 @ 6.75
PCC88	Tungsram, Hungary or other East Europe. Some are with Mazda logo, but all made in East Europe.	OB/WB	11.00 10 @ 10.00
PCC88 / 7DJ8	Mullard UK / Holland. NOS, tested guaranteed. These have 7.5v heater instead of 6.3v heater, but in all other ways are the same as ECC88. In most preamps, these will plug in to replace directly the ECC88/6DJ8. Data http://electronbin.com/sheetsP.html	OB	25.00 5 @ 22.00
PCC88	Mullard. Test as Grade 1.	G1	9.50
Grade One	Not new appearance but decent appearance.		10 @ 8.00
PCC88 USED	Telefunken logo. ◇. NOS. West German. Used, tested, clean.	WB	25.00
PCC89	Mazda, UK made but with Rediffusion logo. Audio double triode. B9A base: VF=7.0V, If=300Ma, Va=130V, Ik=15Ma, S=12Ma/V, Pa=1.8W.	OB	2.50 100 @ 1.80
PCC189	Tungsram Hungary NOS. Also a few East Europe made Mazda at the same price. Audio double triode, similar to ECC88 but different heater.	OB	6.00

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	Data http://electronbin.com/sheetsP.html		10 @ 3.50
PCC189	Mullard UK NOS, Mazda/Brimar UK NOS, Telefunken logo West German NOS. Not diamond mark, no <>. A few of each brand.	Most OB	12.00 20 @ 7.50
PCC189	30L17 Mazda UK is near equivalent.		
PCC189 / 7ES8	Toshiba Japan NOS. Audio double triode. Partly similar to ECC8. Data http://electronbin.com/sheetsP.html	OB	6.50 10 @ 4.50 100 @ 3.70 300 @ 3.50
PCF80	Mullard or Mazda logo UK/or other West Europe NOS logo. This is a potential audio type and we have seen this in audio tuners. Photo/data http://www.r-type.org/exhib/aaa1133.htm	OB/WB	4.00 100 @ 3.20
PCF80	NOS including Tungsram Hungary, Russia, East Europe. Audio tuner valve.	WB	2.20 100 @ 1.80
PCF82 / 9U8A	Small quantities of Osram UK & Telefunken West German (NOS). Large quantities of USA. (NOS). Potential audio type.	Most OB	3.25 50 @ 2.50 500 @ POA
PCF201	Philips or Mazda logo. Holland NOS. Equivalent to 8U9. May have audio applications. B9A base Triode-Pentode. Data on the tubedata.it church website.	Most OB	2.30 800 @ 1.80
PCF802	Philips/Mullard UK/Holland Siemens West European manufacture, all with logo. For use in audio tuners.	OB/GVT	2.00 200 @ 1.50
PCF802	Sylvania logo USA NOS.	OB	1.80 600 @ 1.40
PCF806	Mullard or Mazda logo UK NOS. Good quality signal triode pentodes. Data www.r-type.org/exhib/aa0100.htm	OB	3.00 50 @ 1.50 300 @ 1.20
PCF808	Mazda logo, UK NOS. Data on request. Good quality small signal triode-pentode.	OB	2.00 200 @ 1.50
PCL81	NOS. Telefunken with diamond between pins. 10 pieces. We also have limited quantities of East European at lower price.	OB	5.00
PCL82	NOS. Made by Tungsram Hungary. PCL82 / 16BM8 are similar to ECL82, but PCL82 has 16v heater.	OB	5.00 4 @ 4.75 200 @ 4.25
PCL82	2 or 3 USSR brands. 200 pieces. NOS. PCL82 / 16BM8 are similar to ECL82, but PCL82 has 16v heater.	OB/WB	5.00 4 @ 4.75 200 @ 4.25
PCL82 USED	Mullard logo. UK. Used and tested. These are used tubes at used price. Data http://tubedata.itchurch.org/sheetsP.html	WB	2.20 30 @ 2.00
PCL83	Mullard logo UK NOS. Similar to ECL83 but different heater. Would make a good single-ended or push-pull low power guitar or headphone amp. Data http://tubedata.itchurch.org/sheetsP.html	OB/WB	5.00 30 @ 4.00
PCL83	Russian NOS. Data http://tubedata.itchurch.org/sheetsP.html	OB/WB	4.00 60 @ 2.50
PCL84	Mullard UK NOS.	Most OB	4.00 100 @ 3.20
PCL84	Tungsram NOS Hungary.	OB/WB	3.00 100 @ 2.40
PCL86	East Europe. 100 look the same. New, guaranteed, similar to ECL86, but has 14v heater voltage.	WB	5.50 100 @ 5.00
PD500	Mullard logo Holland NOS. Possible alternative, not equivalent to the rare 6BK4. Data http://tubedata.itchurch.org/sheetsP.html B9D base. GBP20 retail.	OB	13.33 16 @ 10.00
PD510	= 9ED4. Rectifier, partly similar to 6D22S Mullard logo UK NOS. A high voltage shunt regulator, can be utilised for audio.	OB	5.00 50 @ 4.00
PE06-40N	Made in West Europe. NOS.	OB/WB	12.00
PE1-100 / 6083 /	Tungsram = PE1-100 Hungary. High power type. NOS.	OB	22.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
OS51	Seen in audio amplifiers in recent years. Data: Vf = 12.6V, If = 350Ma, Va = 150V, Ik = 20Ma, Pa = 45W. Sockets [71CX] in stock. 45 watt anode dissipation, output is almost 200 watts of audio power per pair. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheetsP.html or 6083 equivalent data http://frank.pocnet.net/vademecum1.html , or 6083 data in vade mecum.		10 @ 20.00
PEN4DD	Mullard UK made. NOS. Please enquire for price.	OB/WB	POA
PEN25	CV65. Mazda logo, UK. Perfect NOS condition. Tested. Audio pentode. Mazda octal socket to fit these in stock ref SOC89MC. Data http://electronbin.com/sheetsP.html	OB/WB	9.00 50 @ 6.50
PEN25	CV65 Mazda logo, UK. NOS. Tested but the SPIGOT CENTRE PIN IS MISSING.		4.00 12 @ 3.00
PEN36C	STC logo UK, PEN36C, CV1672. Many are unused but small glass rattle or test below NOS standard. SOLD AT USED PRICE. Similarities to 6L6GC and EL33 but the heater voltage is different. Fits our Socket SOC7PT4. Data for PEN36C, 6L6, on the tubedata.itchurch website.	OB	12.00
PEN453DD	Mazda UK NOS. Tested/guaranteed. Pen453DD a double diode output pentode from 1930s. The diodes were for signal and AGC rectification, and the high gain output pentode drove the speaker directly without the need for an audio pre-amplifier stage. Data: Vf=45V, If=200Ma, Va=160V, Ik=65Ma, S=12Ma/V, Pa=10W Data http://tubedata.itchurch.org/sheetsP.html Photo www.tave.co.uk	OB/WB	15.00 40 @ 12.00
PEN44 Grade One	Mazda. UK made. Please enquire for price.	OB/WB	Stock
PEN45	Mazda/Ediswan UK. Tested/guaranteed.	OB/WB	20.00
PEN45 Grade One	Mazda UK. Tested/guaranteed. Tested as Grade One.	G1	15.00
PEN45DD	Mazda UK NOS. GBP14 wholesale price. When available...	OB / WB	POA
PEN46	Mazda logo or Raytheon logo. UK/USA. NOS with guarantee. Audio output tetrode. Similar to KT66, KT88 but PEN46 has different anode cap, ceramic supports and heater voltage to suit high voltage pulse operation. Data/curves tubedata.itchurch website. Sockets to fit in stock.	WB	12.00 8 @ 11.00 30 @ 8.00
PEN220A	UK NOS. Tested/guaranteed. MOV, Mazda. 2 volt heater, 1.1 watt audio output pentode. Sets of 2, 4 or 8 with same appearance. Data here, look for the PDF www.r-type.org/exhib/aaa0372.htm	OB/WB	15.00 4 @ 11.75 25 @ 11.00
PEN383	Mazda. UK made. NOS. Please enquire for price.	OB/WB	Stock
PEN383 USED	Mazda. UK made. Used. Tested. Please enquire for price.	OB/WB	Stock
PL33	These are NOS PL33 octal base audio pentode. Mullard, logo. Tested and guaranteed.	OB	16.00 8 @ 15.00
PL33 USED	These are used PL33 octal base audio pentode. Mullard, logo. Tested and guaranteed.	OB	8.00 10 @ 7.00
PL36	Mullard logo UK NOS. Fits Sansui 1000 Quad Stereo & other hifi. We have other cheaper brands too, please enquire. Data http://tubedata.itchurch.org/sheetsP.html	OB	7.50 24 @ 7.00
PL36 / 25E5	Mazda logo E. European made & USSR made NOS. Fits Sansui 1000 Quad Stereo & other hi-fi.	Most OB	5.00 6 @ 4.00 100 @ 3.00 250 @ 2.50
PL81	200 x Siemens logo, West German. NOS. We also have 30 x Mullard UK and other West European brands. Today's offer is for Siemens. Data showing push/pull use in class AB audio is available. Some similarities to EL519 date also on the tubedata.itchurch website.	OB	2.75 30 @ 2.30 266 @ 2.00
PL82	Tungsram, Hungary. Audio type. 4 watts can be obtained from the PL82	OB/WB	5.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	when used in class A single ended with 200v on A1 and G2. Data available. Other brands may exist 70 pieces.		70 @ 3.00
PL83	18 Mullard UK made. NOS. 10 Siemens West German. 24 Bentley West Europe. Audio circuit diagram featuring this tube available free on request. Audio data www.tube-amps.net/EA_Hashimoto_PL83_SE_01.htm	Mostly OB	3.00 100 @ 2.50
PL84	Russian x 100. East European etc. New guaranteed. Potential audio type.	OB/WB	5.50 100 @ 4.00
PL84 / EL86	These are PL84. They have some similarities to EL86, but not equivalent. Telefunken logo x 10, West German NOS with \diamond , 40 x Mazda logo UK NOS, 10 x Mullard logo UK NOS.	Most OB	7.00 10 @ 6.00 60 @ 5.00
PL95	Philips logo. West European made, NOS. Almost the same as 6DL5 but 4v heater. B7G base audio pentode with similarities to EL84 6AQ5 etc. Data http://electronbin.com/sheetsP.html	OB	5.00 10 @ 4.00 200 @ 3.30
PL95	Siemens logo. West European made, NOS. Almost the same as 6DL5 but 4v heater. B7G base audio pentode with similarities to EL84 6AQ5 etc. Data http://electronbin.com/sheetsP.html	OB	4.00 10 @ 2.70 200 @ 2.20
PL500	Valvo or Lorenz NOS West Europe. Near equivalent to PL504 but PL500 slightly lower power.	OB/WB	6.50 100 @ 5.50 300 @ 5.00
PL500	Tungsram/Tesla and other East European. 15 pieces may exist.	OB/WB	6.50
PL504	Mixed East European brands. Please refer to PL500 near equivalent.	OB/WB	6.50
PL504	Mullard logo UK NOS. 10 pieces.	OB	14.00 10 @ 13.00
PL504 USED	Mullard logo UK. Used tested 15 pieces.	OB	7.00 10 @ 6.50
PL508 / 17KW8	NOS. 20 Mullard and 20 Russian. Data and ideas re audio amplifier application at www.r-type.org/exhib/aaa0326.htm	OB/WB	6.00 40 @ 5.00
PL509	Mullard logo UK. NOS.	OB/WB	70.00
PL509	UK/ USA /Japan.	OB	35.00
PL509	Russian/East Europe etc. Tesla Ei and others, tested/guaranteed.	OB/WB	30.00
PL509 Grade One	Mullard logo, UK. Test as grade 1. Approximate 80 percent emission. Decent appearance, not new appearance.	G1	45.00
PL509 USED	Mullard logo UK. Used, tested/guaranteed.	OB/WB	30.00
PL519	Mullard NOS.	OB/WB	70.00
PL519	USA /Japan. NOS	OB/WB	35.00
PL519	Various Russian. NOS. And Ei Yugoslav.	OB/WB	35.00
PL519	Not made anywhere since 2006. Rare. Consider PL81 or EL81 low power possible alternative (not equivalent). EL81 – Vf=6.3V, If=1050ma, Va=250V, Ik=180ma, S=4.6ma/V, Pa=8W. EL519 – Vf=6.3V, If=2000ma, Va=160V, Ik=1400ma, Pa=36W. PL81 – Vf=21v, If=300ma, Va=200V, Ik=180ma, s=6ma/V, Pa=36W.		
PL801	Mullard or Mazda UK NOS, with logo. Equivalent to 12FB5 audio output pentode. pdf data www.r-type.org/exhib/aaa1717.htm	Mostly OB	1.50 300 @ 1.00
PL802	Mullard logo UK NOS. B9A audio type audio pentode. Data http://tubedata.itchurch.org/sheetsP1.html Email us for photo. Photo on www.tave.co.uk Here's a circuit diagram for audio amplifier using EL802, PL802 is similar tube but has different heater. www.pmllett.com/el802_spud.htm Here's some extra data for pl802 www.audioasylum.com/forums/tubediy/messages/3/32019.html	OB	5.00 10 @ 4.50 50 @ 4.00 200 @ 3.00
PL5545 / A	West European/North American including Philips. Thyatron. Equivalent to 5545.	OB/WB	72.00 6 @ 62.00
PLUG	For octal plugs. Refer to 8 pin socket section near back of the catalogue. Order code 8-plug	BP	POA
PM1	Mullard UK Manufacture. NOS.	OB/WB	14.50

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TYPE	COMMENT	BOX	£ GBP PRICE each
			6 @ 12.00
PM13	Mullard UK Manufacture. NOS.	OB/WB	14.50
			2 @ 12.00
PM84	Mix West European. NOS.	WB	5.50
			40 @ 4.00
PM1A	Mullard UK Manufacture. NOS.	OB/WB	14.50
			2 @ 12.00
PM1HF	Mullard UK Manufacture. NOS.	OB/WB	14.50
			4 @ 12.00
PM1HL	Mullard UK made. NOS. Please enquire for a price.	OB/WB	Stock
PM12M	Mullard UK Manufacture. NOS.	OB/WB	14.50
			6 @ 12.00
PM1LF USED	Mullard logo UK. Used. Not new appearance but tested/guaranteed.	BB	6.50
			2 @ 6.00
PM2A USED	GEC logo, UK Used. Tested like VR22.	WB	10.00
PM2 / A USED	West European manufacture. Used/not new appearance but tested/guaranteed. Also we have PM1, PM22, PM24, please ask.	BB	8.50
PM2HL	Mixed UK brands. 4 pieces. Test as Grade 1. Most new but decent appearance.	OB/WB	24.00
PM2HL	UK NOS. Equivalent to 210HL CV1673 and HL2. Guide price GBP 30 wholesale.	OB/WB	POA
PM2HL	UK. Grade 1, tested. Approx 80 percent emission.		25.00
Grade One			
PM22A	West European manufacture. NOS 4 pieces.	OB/WB	15.00
PM22D	West European manufacture. NOS 4 pieces.	OB/WB	15.00
PM24A	West European manufacture. NOS 4 pieces.	OB/WB	15.00
PM24D USED	GEC sticker UK. Balloon shape. PM24D/NT62A used, tested, guarantee. Offers invited.	WB	80.00
			6 @ 65.00
PM24M	NOS. Please enquire.	PB/WB	POA
PM24M / P435	These are P435 Triotron Europe, possible alternative to PM24M.	OB	24.00
PM24M USED	Mullard UK. Used. Guide price GBP12 wholesale.	OB/WB	POA
PM254	Mullard UK NOS. 1930s made balloon shape triode. Similar to PM4DX. Data http://www.r-type.org/exhib/aal0012.htm	OB/WB	27.50
			5 @ 25.00
PP3-250	Mazda logo. Shoulder shape, NOS. Sometimes available.	OB/WB	POA
PP3-250	Mazda logo. Balloon shape. Sold – please enquire.	OB	POA
PP3-250	Mazda logo. Balloon shape. NOS. Tested, guaranteed. Sometimes available.	OB	600.00
PP3-250	Please refer to LK4112 for a possible alternative but not equivalent.		
PP3-250 USED	Mazda logo. Used, tested 70 percent. Balloon. Sometimes available.	OB/GVT	240.00
PP5-400	Mazda UK balloon shape. 1 or 2 pieces.	G1	425.00
Grade One			
PP5-400	Mazda UK balloon shape. 1 or 2 pieces.	WB	325.00
USED	Used, tested.		
PP5-400	Mazda UK balloon shape. 1 piece.	Bag	225.00
USED	Used, tests only 50 percent emission.		
PT4D	Ferranti UK. Equivalent to AC2/PENDD, audio output valve. Socket to fit [7PT4] is available from stock. Data on request.	OB/WB	12.00
			10 @ 10.00
PT15	NOS, brown base, Hytron. Made in USA. All test new. 2 pieces.	GVT	40.00
PT15	GEC sticker. UK NOS. White ceramic base. Tested/guaranteed. 2 pieces look the same. PT15 tetrode can be strapped up to form a near equivalent to PX25 triode. Data on request.	GB	65.00
			2 @ 62.50
PT15	GEC sticker. UK. White ceramic base. Tested as Grade One, guaranteed.	G1	36.00
Grade One			
PT25H	CV1046. NOS UK GBP600 wholesale. Data http://electronbin.com/sheetsP.html	GVT	POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
PTT2S / BAS	Valvo / Other West Europe. NOS Balloon shape. 4 pieces BAS Valvo. Sockets to fit from stock, ref 5PO.	GVT/WB	25.00
PV4100	Tungsram NOS.	OB/WB	40.00
Bi / PTT100	Thomson PTT100. Equivalent to Siemens Bi triode. This is suitable as a driver for PX4. Original Siemens Bi are 100.00GBP, compare that to these PTT100 at 40GBP, www.tubedata.org .	OB	40.00 20 @ 35.00
PX4 / 4XP	Cossor logo UK, NOS. Clean, tested, guaranteed. ST shoulder shape. 1 piece only. These are 4XP.	OB	240.00
PX4	GEC UK NOS. GT straight-sided shape. Also refer to E406N, P2-250 near equivalents, elsewhere in this catalogue.	OB	330.00
PX4	GEC. UK NOS. ST shoulder shape.	OB	340.00
PX4 Grade One	MOV UK. Tested as Grade One. Guarantee. Straight shape or shoulder shape.	G1	210.00
PX4	Please refer to AD1N for a near equivalent with a different base.		
PX4 USED	GEC sticker. Used, tested guaranteed.	OB	140.00
PX4 / AT20 / MZ05-20	These are MZ05-20, very similar to PX4, but 6v heater. Directly heated audio triode. Mazda UK made NOS. Bulbous shape. For Shindo Lag-range and other high-end amplifiers. Heater is 6v @ 1000mA, anode is 600v @ 110 mA, S= 4.2 ma/V, Pa= 20w. PDF data http://www.r-type.org/exhib/zaa0292.htm	GB	270.00 4 @ 250.00
PX4 / E406N	E406N West European made. E406N is similar to PX4, but not exact equivalent. 2 pieces. Data for E406 (almost the same as E406N) at http://tubedata.itchurch.org/sheetsE.html More data from our office.	OB	200.00 2 @ 175.00
PX4 / OQ15-600	These are OQ15-600 Tungsram, Hungary. NOS. Tested, guaranteed. Audio triode fairly similar to PX4. Tungsram data: B4 base. Vf= 4v, If= 1000mA, VA = 400v, Ia = 46ma, gm= 4 mA/v, Pa 15w estimate. 2 pieces look the same. 1 electrical match pair.	WB	110.00 2 @ 100.00
PX4 / P12250	These are P12-250 Tungsram NOS made in UK. Very similar, near equivalent to PX4. 2 pieces. PX4 data: Vf=4.0V, If=1000Ma, Va=300V, Ik=60Ma, S=6Ma/V.		220.00 2 @ 200.00
PX4 / PP3 / 521	Mazda logo. Shoulder shape, NOS. Four pieces. These are PP3-521 are similar to PX4 but have 35 volt heater and large B7 base. Free socket supplied with this tube. Photo/data http://tubedata.itchurch.org/sheetsP.html	OB/GVT	150.00 4 @ 120.00
PX4 / PX650	These are PX650 Mazda UK NOS balloon shape. They test similar to PX4, but 6v heater. PX4 gm is 6ma/v, px650 gm is 2 ma/v. Directly heated audio triode. Mazda UK made NOS. Near offers considered. Data https://nyhrbiblio.nl/biblio/boek/thrower%20-%20radio%20valve%20data%201926-1946.pdf More data from our office	OB	370.00 2 @ 350.00
PX25	MOV UK NOS. Balloon shape. Matched pair, 2 look the same and similar anode current, emission. The price shown is for one tube. Very rare indeed.	GB	750.00 2 @ 740.00
PX25	MOV UK NOS. Balloon shape. Very rare indeed. These are not sets of 2 pieces the same appearance. One of this brand, one of that brand, one of the other brand. Hence reduced price.	GB	500.00
PX25	Please see PT15. PT15 tetrode can be strapped up to form a near equivalent to PX25 triode.		
PX25 Grade One	MOV UK. Test as Grade 1. Balloon shape. Decent appearance, not new appearance.	G1	400.00 2 @ 375.00
PX25 / DO25	These are DO25 Mullard up NOS made in UK. Balloon shape. Similar to PX25, but not equivalent. Refer to data below please. One piece only. Near offers considered. PX25 data: Vf=4.0V, If=2000Ma, S = 7.5ma/v DO25 data: Vf=4.0V, If=1100Ma, S = 3.8ma/v	Colourful antique OB	700.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
PX25 / DO30	These are DO30 Mullard logo NOS made in UK. GT shape. DO30 is very similar to PX25, a near equivalent. Only 2 pieces remain in stock. CV1178 is equivalent to DA30 and DO30. CV1178 data http://www.r-type.org/exhib/aac0059.htm <i>The DA30 is essentially an uprated PX25 (PP5/400) with a wider grid pitch and lower μ value. It was intended for use in push-pull pairs (Class AB1) to provide up to 45 W of undistorted audio for PA systems and transmitter voice modulation. In this respect it is nearly twice as powerful as the PX25.</i> PX25 data: Vf=4.0V, If=2000Ma, S = 7.5ma/v DO30 data: Vf=4.0V, If=2000Ma, S = 3.8ma/v	WB	480.00 2 @ 475.00
PX25 / DO30 USED	DO30 Mullard logo. Used tested, made in UK. GT shape. DO30 is very similar to PX25, a near equivalent. Only 2 pieces remain in stock. PX25 data: Vf=4.0V, If=2000Ma, S = 7.5ma/v DO30 data: Vf=4.0V, If=2000Ma, S = 3.8ma/v	WB	200.00
PY32	Mazda logo UK NOS. Photo www.tave.co.uk Audio rectifier, high current half wave. 2 together would suit full wave application. 2 of these would be better than a GZ37. Data GZ37: Vf=5.0V, If=2800ma, Va=500V, Ik=250ma. Data PY32: Vf=28V, If=300ma, Va=250V, Ik=300ma, Octal base. More data http://frank.yueksel.org/index.html	OB/WB	5.00 10 @ 4.00 70 @ 3.00
PY33	Mazda logo, or Mullard with Redifusion logo. UK NOS. Refer to PY32 paragraph for data.	OB/WB	5.00 10 @ 4.0
PY88	1,000 Polam, 300 Tesla, European made new. Photo www.tave.co.uk . Data on the tubedata.itchurch website.	Mostly WB	2.50 10 @ 1.20 1,000 @ 1.00
PY500A	Bentley, Soviet Bloc manufacture. An audio rectifier tube, 42 volt filament. B9D sockets and caps for these tubes from stock, please ask. Data http://tubedata.itchurch.org/sheetsP1.html	OB/WB	2.00 100 @ 1.50
PZ30	Mullard logo. UK made. NOS. Audio rectifier.	OB/WB	12.50 6 @ 11.00
PZ30 Grade One	Mullard logo. UK made. Audio rectifier. Test as Grade One.	G1	9.00 8 @ 7.00
QB3-300	Equivalent to CV2130.		
QB3.5-750	Out of stock, please contact office if you would like to discuss.		
QB3.5-750	Please refer to QY4-250, C1112, CV2131 near equivalent.		
QB4-1100GA / 4-400A	Mullard/Philips NOS West Europe. Huge triode, possible audio applications. Refer also to 4-400A Eimac equivalent, near the front of our catalogue. Photo www.tave.co.uk Data www.tubedata.org	OB/WB	140.00 10 @ 120.00
QB5-1750	Equivalent to 6079. Similar to QY5-500. Mullard/Philips NOS, West Europe. Huge triode, possible audio applications. Data www.tubedata.org	OB/WB	160.00
QBL3.5-2000	Philips, West European. NOS. 12 months guarantee. Believed to be equivalent to 8177 and Mullard QY3 – 1000. Data on request. Photo www.tave.co.uk	GVT	500.00 3 @ 450.00
QBL5-3500	Equivalent to 6076. Philips West European made. NOS guaranteed. A broadcast tetrode. Output Power 2.8 Kw, maximum frequency 220 MHz, Cooling Forced Air, Heater 6.3 V at 32.5 A. Peak anode voltage 5.5 Kv.	GVT	250.00 3 @ 240.00
QE08-200	Philips Holland carbon anode. NOS. 100 watt CCS dissipation rating. 2 of these as audio amplifiers would give 300 watts at 3600 ohms with 750v anode voltage.	OB/GVT	300.00
QK412	West Europe. USA made.	OB/WB	POA
QKH798	West Europe. USA made.	OB/WB	POA
QP21	CV1035 Brimar, UK made NOS. QP21 is double pentode with SOME similarities to EF86. QP21 has B7 base, plenty of sockets, ref	Mostly OB	7.00 2 @ 6.00

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	SOC7FC4 from our stock. QP21 data http://tubedata.itchurch.org/sheet-sQ.html QP21: Vf=2.0V, If=400Ma, Va=250V, Ik=10Ma, S=2.3Ma/V.		200 @ 4.50
QQE06-40	Refer to QQV06-40A .		
QQV02-6	Mullard UK/Holland Mullard logo. Great quality, seen in audio amplifiers.	OB/WB	10.00 20 @ 8.00 40 @ 7.50
QQV03-10	Mullard logo, UK/Holland manufacture. Possible audio type with similarities to ELL80. They are AUDIO double output tetrodes. They work with output transformers designed for EL84 or 6V6. Data http://tubedata.itchurch.org/sheetsQ.html Discussion of audio amplifier with this type at http://www.el34world.com/Forum/index.php?topic=12647.0 And http://www.tootoo.com/s-pp/qqe03-12-pp-amplifier-kit-p-1484218.html	OB/GVT	5.75 40 @ 5.00
QQV03-10	Soviet Bloc/other brands of our choice. Regret no picking of brands. Hundreds in stock.	OB/WB	3.25
QQV03-10 USED	Mullard logo, UK/Holland made, used tested guaranteed. Audio type that works with transformers designed for EL84 or 6V6. More data in the NOS paragraph above.	BP	3.75 10 @ 3.00 250 @ 2.00
QQV03-20	EEV UK/GEC UK Glass printed CV2799. GEC sticker. Made in UK, gold pin, and military quality. Similar to 829B but has different base.	GVT	8.50
QQV03-20A			100 @ POA
QQV06-40A	German NOS. Guaranteed. Possible audio type. Free data on request.	OB	11.00 10 @ 9.00
QQV06-40A	Mullard West Europe.	OB/WB	16.30
QS1202	EEV UK CV4052. Potential audio item , rugged type. 108V operating, 210V striking total darkness, 133V striking in normal lighting. 15Ma maximum tube current, 2Ma minimum tube current. Clean and guaranteed. EEV UK was connected to the GEC/MOV company. A wire leaded gas regulator tube that regulates from 5 to 15Ma at 108 volts DC.	GVT	2.50 100 @ 2.00 500 @ 1.50
QU37	GEC, UK NOS. Potential audio type. Vintage British made. High voltage double diode.		5.70 40 @ 3.70
QV04-7	Mullard logo. UK NOS. Tested, guaranteed. Plenty of B9G sockets to fit in stock. Reference 9EF50. Audio output pentode. 1960s military QV04-7, CV309. Equivalent to QE04-10. Photo www.tave.co.uk . Data http://tubedata.itchurch.org/sheetsQ.html	Mostly GVT	8.00 4 @ 6.50 150 @ 5.75
QV08-100	Mullard and Philips NOS. Offers considered. 2 or 3 pieces.	OB/WB	280.00
QV08-100B	Mullard and Philips NOS. Offers considered. 2 or 3 pieces.	OB/WB	230.00
QY2-100	Mullard France. Equivalent to 813.	WB	32.00
QY3-125	Please refer to CV2130 .		
QY4-250	West European or USA including CV2131, C1112 QB3.5.750 equivalents. Glass audio magazine, 1997, number 1, features QB3.5-750 as a huge audio triode. QB3.5-750, is similar to QY4-250.	OB/WB	45.00
QY4-400	Chinese made NOS. Tested. With guarantee. Socket to fit (SOC5FB) from stock. We believe this is the best price In the world.	GVT	90.00
QY4-400	Mullard logo, West European made NOS. Mullard original book data and curves available free. Possible audio tetrode, huge size and power sockets to fit from stock.	GVT	150.00
QY5-3500	Mullard, West European made. NOS guaranteed. A broadcast tetrode. Data on request.	GVT	250.00 3 @ 240.00
R5V	BBC stamped. UK NOS. Balloon shape. 1920s top pip tube. Rare & desirable.	WB	1 @ 80.00
R120	RT France. Triode. Very rare. Occasionally available.	OB/WB	POA
R224	Valvo NOS. Double pentode. Designed as a push pull pair for audio/ car radio. Near equivalent to ELL1.	GB	20.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
R1410	Photomultiplier or Vidicon. USA NOS. 20 in stock.	Most GVT	20 @ POA
R5559	GEC sticker. UK NOS. Gold pin. D getter.	OB	12.00
			30 @ 11.00
R5559	GEC sticker. UK NOS. Gold pin.	OB	10.00
			30 @ 8.00
REN904	NOS.	Boxed OB/WB	40.00
REN904 USED	Telefunken.	Boxed	POA
REN1004 / AR4101	We have 4 pieces AR4101, near equivalent to REN1004. 3 NOS Tungstram, gold colour, ST shape. Data https://www.radiomuseum.org/tubes/tube_ar4101.html Data http://www.r-type.org/exhib/aaa1654.htm	OB	35.00
			3 @ 30.00
RES094	Telefunken West German NOS. Audio type! Equivalent to H410D, B442, TB42. Near offers considered. Data & photo http://electronbin.com/sheetsR.html	GBox	35.00
			12 @ 32.00
			100 @ 27.50
RG3-250	Mullard UK NOS. Tested/guaranteed.	OB/WB	18.00
RG3-250	Mullard UK. NOS. Audio rectifier. Tested/guaranteed.	OB/WB	12.00
RGN1064	Telefunken Germany. Tested as Grade One.	G1	POA
Grade One			
RGN2004	These are 1561 exact equivalent to RGN2004. Philips logo NOS but print faded. Tested, shoulder shape. 1 only.	WB	75.00
RGN2004	These are 1561 exact equivalent to RGN2004. Philips logo. NOS. Tested. Rectifier, black plate, balloon shape. 1 only.		100.00
Retainer	Spring retainers, tube retainers, valve retainers for numerous sizes of tubes and valves, please enquire, quote stock code "Valve Reta".	OB/WB	POA
RK20A	Raytheon USA. NOS partly similar to 300B, not equivalent.	GVT/WB	40.00
RK6112 / A	Please see CV2116.		
RL12P35 USED	Valvo logo 1930s made audio pentode, used but decent appearance. Will be tested. Data http://electronbin.com/sheetsR.html If you buy the tube we can advise possible places to buy the socket.	WB	20.00
			2 @ 18.00
RPY43	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	POA
RS237	Telefunken 1930s made. RS237 Triode is similar to 211. Maximum operating conditions. Vh 10 Ah 3.3, Va 1000, Ia 80, μ 12. Anode dissipation is 100 Watts. Test very strong. Some base scratches. Silver getter splash is okay but not perfect. A FEW harmless loose particles. 1 only.	G1	500.00
Grade One			
RS287	Please refer to RL12P35 for near equivalent.		
RS1003	Siemens West Germany NOS. B5F base near equivalent to KT88. We can supply sockets to fit.	OBWB	60.00
			4 @ 50.00
RS242	These are type 242 with KR logo by KR audio, Czech Republic, Europe. New shoulder shape. Audio triode almost identical to Telefunken RS242. http://frank.pocnet.net/vademecum4.html and then click on the "dot".	OB	400.00
			PER TUBE
RS3021CJ	Eimac. Current production.	OB	4140.00
RTR4142	Ericsson NOS. Sweden. Pentode with some similarities to 6J7G.	OB	6.00
RV12P - 2000	East German made by RFT or RWN. Data in the other RV12P2000 paragraph, below.	OB/WB	10.0
			10 @ 8.00
RV12P - 2000	West German made by Telefunken. NOS but appearance imperfect. Famous "Wehrmacht Pentode". Suitable for microphones such as Neumann Gefell M14. Data http://frank.yueksel.org/sheetsR1.html	WB	13.50
			20 @ 11.00
RV12P - 2000	West German made by Telefunken. NOS perfect. 1 piece only.	OB	42.50
RW80	Siemens, German made NOS. Traveling Wave Tube with gold plated pins. Its rated 15 Watts output on 6.2 GHz with 1.8 Mw drive power. 25cm long. Original plain polystyrene wrapper.	OB	38.00
			4 @ 30.00
RZ1-150	Display item. Mullard UK audio rectifier. Similar appearance to DET25. Sold as not working, for display only. Interesting piece of history.	GB	10.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
Grade One	A small chance some of them work, but sold as not working display item. Data http://frank.pocnet.net/vademecum4.html		
S6F17	CV4040 STC/ITT logo. NOS audio pentode 1970s British made military, broadband signal. Amplifier/ pentode. Data http://tubedata.itchurch.org/sheetsS.html	GVT	4.00 5 @ 3.20 400 @ 2.80
S11E12	STC Blue logo - UK NOS. UK [CV4060] with STC logo. Audio type with octal base. For data to convert to KT88, email us. Data: Vf=6.3V, If=1600Ma, Va=800V, Ik=200ma, S=13Ma/V, Pa=28W. Photo www.tave.co.uk Data & curves http://tubedata.itchurch.org/sheetsS.html More data http://www.r-type.org/exhib/aad0008.htm	OB/GVT	16.50 16 @ 15.00 80 @ 14.00
S11E12	Mazda logo, UK NOS. UK [CV4060] Audio octal type. For data to convert to KT88, email us. More data in the S11E2 STC paragraph, above.	OB/GVT	32.00 24 @ 20.00
S11E12 Grade One	STC, UK [CV4060] with STC logo. Audio type with octal base. Clean and tested as Grade One. Photo www.tave.co.uk For data to convert to KT88, email us. Data: Vf=6.3V, If=1600Ma, Va=800V, Ik=200ma, S=13Ma/V.	G1	16.00 4 @ 11.00 50 @ 10.00 80 @ 9.00
S11E12 USED	STC, UK [CV4060] with STC logo. Audio type with octal base. These test as used ie 65 - 75 percent emission. For data to convert to KT88, email us. Photo www.tave.co.uk More data in the S11E12 NOS section.	OB/GVT	12.00 30 @ 9.00 80 @ 7.00
S11E12 / 12E14	Some STC, some Mazda. These are all 12E14 UK NOS tested. Mostly 1960s manufacture. Most are also printed CV8727. Octal base audio type. Similar to KT88 but not equivalent. Data/curves http://electronbin.com/sheets11.html	GB/WB	25.00 10 @ 23.00 More @ POA
S11E12 / 12E14 Grade One	Some STC, some Mazda. These are all 12E14 UK tested as Grade 1. Mostly 1960s manufacture, most are also printed CV8727. Decent appearance but not new appearance. Octal base audio type. Similar to KT88 but not equivalent. Data/curves http://electronbin.com/sheets11.html	G1	18.00 10 @ 16.00 More @ POA
S11E12	In 1995 our agent built an amplifier using S11E12 as a near equivalent to KT88. Circuit diagram and information about amplifier is available free.		
S103-1K	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	POA
S104-2K	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	POA
S106-1K	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	POA
SC1-100	In stock. GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	OB/WB	POA
SC1-350	In stock. GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	OB/WB	POA
SC1-400	In stock. GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	OB/WB	POA
SC1-600	GEC, UK NOS with guarantee. Data www.tubecollector.org/sc1-1000.htm	GVT/WB	4.00 100 @ 3.00
SC1-800	In stock. GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	OB/WB	11.00 10 @ 9.00
SC1-1200	In stock. GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	OB/WB	11.00 10 @ 9.00
SC1-1000	In stock. GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	OB/WB	11.00 10 @ 9.00
SC1-1400	In stock. GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	OB/WB	11.00 10 @ 9.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
SC1-1800	In stock. GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	OB/WB	11.00 10 @ 9.00
SC1-2000	40 pieces in stock. GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	PB/WB	11.00 40 @ 8.00
SC1-600	GEC, UK NOS with guarantee. Data www.tubecollector.org/sc1-1000.htm	GVT/WB	4.00 100 @ 3.00
SE212 USED	Watkins Johnson. Believed UK/USA manufacture. Removed from unused equipment. Sold as used guaranteed at used price. Data on request.	WB	100 2 @ 66.00
SOCKETS	See separate pages devoted to sockets at end of catalogue.		
SK416	Eimac USA NOS. Chimney 3-400z tube. Price negotiable & not expensive, please ask.	GVT	POA
SP41	Audio pentode. UK NOS. Includes STC. Various CV equivalents. Guaranteed, tested. SP41 has some similarities to EF86 and EL84. Mazda octal socket , reference 89MC from our stock, fits SP41. Data http://electronbin.com/sheetsS.html	GVT	6.00 8 @ POA
SP41 USED	Audio pentode. UK. Includes STC. USED Guaranteed, tested. See data etc in SP41 NOS section above. Socket , reference 89MC fits SP41.	GVT	6.00 8 @ POA
SP61	CV118, STC or Mazda, UK NOS. Some similarities to EF86 but has a different base. Data www.tubedata.org	GVT	6.00 5 @ 4.00 30 @ POA
SP61	Mazda UK NOS tested. These have been nicely repainted in red by our supplier. They look good but this is not original, hence lower price.	WB	3.34 10 @ 2.50 100 @ 2.25
STV280 / 40	Marconi logo, UK NOS. A multiple voltage regulator. A gas shunt regulator tube that provides regulated voltages of 280, 210, 140 and 70 volts DC at 40ma. Ideal for audio preamp/driver circuit, or circuits that need multiple regulated bias voltages. Looks great in operation! B4 socket to fit from stock. Data http://tubedata.itchurch.org/sheetsS.html Photo www.tave.co.uk	Mostly GVT	10.00 70 @ 6.00
STV280 / 80	MOV UK NOS. Solid state version. Not glass. Data similar to STV280-40 above, or click on http://tubedata.itchurch.org/sheetsS.html	GVT	10.00 70 @ 5.75
SU44 / CV261	1940s vintage British made CV261, SU44, 2T/270 tubes. SU44 is a single high vacuum rectifier diode that can rectify 5ma at 5,000 volts. Data www.tubecollector.org/cv261.htm Sockets and caps in stock.	GVT	3.00 1,000 @ 2.00
SU750 / CV128	Large half-wave rectifier with possible audio use. New but store soiled appearance. Tested/guaranteed. Cossor manufacture, but military print "CV128". Data/photo http://www.r-type.org/exhib/aab0123.htm	WB	15.00 30 @ 10.00
SV83	SV83 Chinese manufacture NOS. All identical. Guaranteed. SV83 B9A base is similar to EL84 but different pinout. Please refer to data below. SV83 replaces EL84 by rewiring the base. These are bulk pack, egg crate. Please add 25p per tube, if white box with label required. Lowest price in the world. SV83 NEW Chinese, equivalent to 6P15P 6Π15Π EL83. Similar to 6CK6 EL84 6BQ5. 300 pieces. Data http://tubedata.itchurch.org/sheetsS.html	WB	2.00 10 @ 1.00 2,000 @ 0.80
SV83	Svetlana or other Russian manufacture. Printed SV83 or 6P15P. Or 6N15N or 6Pi15Pi. Groups if 100 identical. Can replace EL84 by rewiring the base. SV83 B9A base is similar to EL84 but different pinout. Please refer to data at links below to see differences. More data http://tubedata.itchurch.org/sheetsS.html Photo www.tave.co.uk	WB	5.00 10 @ 4.00 100 @ 3.00
SV572-30	Svetlana "C" logo, Russian. NOS. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheetsS.html	OB	38.00 4 @ 36.00
SV811-3A	Svetlana Russian, when available. NOS.	OB	POA
SV811-10	Svetlana Russian Svetlana logo. NOS. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheetsS.html	OB	50.00 4 @ 45.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
SX782	Brimar, UK NOS.	BP	POA
			700 @ POA
T41	Mazda & similar UK made brands. NOS.	OB/WB	6.00
			48 @ 4.50
T55	Taylor logo. USA NOS. Data www.tubecollectors.org	OB	30.00
			5 @ 27.00
T988D	CV10952 USA or UK NOS CRT. With guarantee. 10 in stock.	OB/GB	POA
			10 @ POA
T988D / CV10952	CV10952 USA or UK NOS CRT. With guarantee. 10 in stock.	OB/GB	10 @ POA
TB2.5 / 300 alias 5866	Philips west European made. NOS, unused, tested, guaranteed. Data on request NOS.		45.00
			6 @ 42.00
TB2.5 / 400	Alias 5866A. West European made. NOS, unused, tested, guaranteed.		75.00
TB3-750	Please see TY4-400 for equivalent.		
TB4-1250	Chinese. Tested/guaranteed.	OB/WB	240.00
TB4-1250	Mullard / Phillips NOS. Tested/guaranteed.	OB/WB	300.00
TB4-1250	Refer to TY4-500 - thought to be equivalent.		
TB4-1500	West European manufacture. When available.	OB/WB	POA
TB5 / 2500	Equivalent to 7092 = RS1046 = 3C/800E = B1153 = TB5-2500. Chinese new tested, guaranteed. There are several Chinese factories making this tube. This is from the best quality factory in China. Recommended as the best.	OB/WB	275.00
TDD13C	Mazda etc. UK, NOS. Double diode triode. Data www.tubedata.org	OB/WB	13.40
TH3074A	Thomson, made in France NOS. Clean with guarantee. 2 pieces. Offers considered.	OB/I	2,500.00
TH5053	Thomson, France New/ NOS. Guaranteed. Price negotiable.	WB	POA
TB4B	West European NOS tested eg Mullard.	OB	20.00
THERMIONIC	Thermionic items ALL available. Please enquire.		
TOP CAPS	See top caps & socket pages at the back of the catalogue.		
TP25	CV1345 / TP25 Mazda UK NOS. Triode pentode frequency changer for battery operated receivers. Data http://www.r-type.org/exhib/aaa0700.htm	GB/WB	4.25
			100 @ 3.50
TP2620	Ediswan / Mazda logo - UK NOS. RF frequency converter tubes. NOS guaranteed. Need British B9 socket and 807 cap. Data www.mif.pg.gda.pl/homepages/frank/sheets/146/t/TP2620.pdf and www.r-type.org/exhib/aaa0571.htm	Mostly GVT	5.00
			150 @ 3.00
TRIODE	Please try CV2130 Philips 125 watts Pa!		
TRIODE	Please refer to CV9260 for a super low cost Mullard triode.		
TT11	MOV UK NOS. Mostly VT501 equivalent. Audio pentode. Clean and guaranteed. Data: Vf = 6.3V, If = 800 Ma, Va = 300V, S = 3.5Ma/V, Pa = 7.5W.	GVT	7.50
			30 @ 7.25
TT12	MWT, MOV and other UK NOS. Audio tetrode. GBP12 wholesale.	OB/WB	POA
TT15	MOV UK NOS. CV222 or CV4046. It is like two 6V6GT tubes in the same envelope. Data http://tubedata.itchurch.org/sheetsT1.html	GB/WB	20.00
			4 @ 14.00
			24 @ 12.00
TT15	GEC/Osram, UK [CV4046]. Potential audio type. Tested as Grade 1.	G1	12.00
Grade One			
TT15	Equivalent to CV4046 .		
TT21	An Audio Amplifier circuit diagram using TT21 is available.		
TT21	Chinese made. New, tested guaranteed. Very few left. Working but average emission is around 65 percent, even the Chinese item is rare.	OB/WB	25.00
TT21	GEC sticker UK NOS. 2 pieces look the same. Estimate 1960s made. Almost totally extinct and impossible to find. Possibly the last 2 pieces in the world?	OB	200.00
			2 @ 195.00
TT21	GEC sticker UK made. Tested as Grade One. These test nearly new,	G1	100.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
Grade One	but look used, with small stains in the glass. Decent appearance, 4 pieces look similar. Similar to KT88 but top cap and different heater. Guaranteed. Data on request.		4 @ 95.00
TT22	GEC sticker UK NOS. 2 look the same. Tested. Similar to KT88 but top cap and different heater. Guaranteed. Data on request.	OB	120.00 2 @ 115.00
TT22 Grade One	GEC sticker UK made. Tested as Grade One. These are used, not new, but decent appearance, approximate 80 percent emission. Similar to KT88 but top cap and different heater. Guaranteed. Data on request.	G1	80.00
TT22 USED	GEC UK manufactures. Tested, With guarantee.	WB	POA
TT100	GEC sticker UK NOS tested guaranteed. Audio type for class C amplifier. We have socket soc12B in stock. Data/photo www.tubecollector.org/tt100.htm & www.r-type.org/exhib/aaa1015.htm	OB/GB	40.00
TV4 USED	Mullard UK magic eye, used tested.	WB	30.00 2 @ 28.00
TY2-125	East and West European manufacture.	OB/WB	60.00
TY2-125	Mullard logo UK NOS. Equivalent to CV1924. New, tested, guaranteed. Several in stock.	OB/WB	90.00
TY3-250	East and West European manufacture.	OB/WB	90.00
TY4-400	= 5867A = TB3/750. Industrial RF tube. Recent manufacture from one of the better Chinese factories. Factory tested. Guaranteed. Brand new. This is not a surplus tube. We are a reputable stockist, in the tube business for over 30 years.	OB/WB	255.00
TY4-400	Mullard, West European. NOS. 350 Watt dissipation 30 mhz transmitter triode. Few only. Same price wholesale or retail.	GB	250.00
TY4-400 USED	Mullard, West European. Used tested decent appearance guaranteed. Same price wholesale or retail.	WB	100.00
TY4-500	Mullard or other West European. NOS. Thought to be equivalent to 5868, TB4-1250. Will be tested with guarantee 12 months from dispatch date.	OB/WB	300.00
TY6-5000A	West European, Mullard and Philips made NOS. Slightly similar to 6960 but not equivalent. 6000 Watt anode dissipation, medium gain – mu 32 output triodes. A transmitter tube good for 75 MHz. Data http://scottbecker.net/tube/sheets/129/t/TY6-5000A.pdf	OB/WB	500.00
TY7-6000A	Mullard, Philips made NOS.	OB/WB	POA
TY7-6000A	Please refer to BR1106. These 2 tubes have similarities to each other, but are by no means equivalent.		
TZ20	Taylor USA NOS. A power triode deigned for zero bias B class modulator. A pair would produce 70 watts audio power with 20 watt anode dissipation. Data/photo http://www.r-type.org/exhib/abh0317.htm	OB/WB	20.00 2 @ 17.50
TZ40	Hytron USA.	WB	25.00
TZ40	Please refer to DA41 for a near equivalent.		
U10 Grade One	GEC sticker UK. Grade One.	G1	22.50
U14	MOV GEC UK NOS. Audio rectifier.	GB	25.00
U14	Mullard UK NOS. Audio rectifier.	GB	15.00
U14 USED	MOV GEC UK. Used, tested. Audio rectifier.	WB	12.50
U14 USED	Mullard UK. Used, tested. Audio rectifier.	WB	7.50
U15	MOV UK NOS. Tested with guarantee. Audio rectifier, useful to go with DA60 or DET25 audio triode. 1 piece in stock. Extra quantity might be available from my supplier.	GB	100.00
U15 Grade One	MOV UK. Tests as Grade One. Guaranteed. Rectifier, useful to go with DET25 audio triode.1 only.	G1	75.00
U18	Or FW4-800 GEC / MOV / Osram UK, NOS. 5 pieces of mixed appearance.	OB/WB	180.00 5 @ 170.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
U18	Mullard etc has become rare now. Refer to FW4-500 entry elsewhere in the catalogue.		
U19	Marconi logo GEC UK NOS. Military print. Audio rectifier. Black base. Solid getter. Tested guaranteed.	Most GB	45.00
U19	GEC sticker UK. NOS CV187. Audio rectifier. Brown base. Ring getter.	OB/WB	40.00 8 @ 35.00 30 @ 30.00
U19 / 19H1	These are 19H1 Ediswan UK NOS rectifier. Possible alternative, not equivalent to U19 audio rectifier.	GB/WB	6.00
U19 / 19H4	EEV blue logo, UK made NOS 19H4. Printed CV2180. EEV was part of GEC. These octal base 19H4 are half wave rectifiers have AUDIO potential & some similarities to U19. U19 data: B4 base - Vf=4.0V, If=3300Ma, Va=2500V, Ik=250Ma. 19H4 data: octal base - Vf=2.5V, If=1700Ma, Va=20000V, Ik=30Ma Photo www.tave.co.uk 19H4 data http://tubedata.itchurch.org/sheets16.html	OB/I	10.00 2 @ 8.00 200 @ 5.00
U19 / 836	These are Cetron 836, USA made NOS with logo. Guaranteed. Audio rectifier. These 836 have some similarities to U19. U19 data: B4 base - Vf=4.0V, If=3300ma, Va=2500V, Ik=250Ma. 836 data: UX4 base - Vf=2.5V, If=5000Ma, Va=5000V, Ik=250Ma. Data http://scottbecker.net/tube/sheets8.html Photo www.tave.co.uk	OB/GVT	11.00 100 @ 9.00 150 @ 10.00
U19 / AU5	These are AU5 equivalent to CV1111 and VU111. UK NOS. Audio rectifier with some similarities to U19. U19 and AU5 are both B4 socket with top cap. AU5 data www.tubecollector.org/vu111.htm A single high vacuum rectifier diode – can rectify 50Ma at 5,000 Filament voltage AU5 4V Filament voltage U19 4V Filament current AU5 1.1A Filament current U19 3.3A Max RMS INPUT AU5 5Kv Max RMS input U19 2500V Max PIV AU5 12.5Kv Max PIV U19 7.1Kv Max no-load PIV AU5 14Kv Max PIV (<10µs) 10.0Kv Max mean DC rectified current AU5 50Ma Max mean cathode current 250Ma Max peak anode current AU5 350Ma Max peak anode current u19 2A Max reservoir capacitor AU5 1.2µF Max limiting resistance AU5 4k ohm Min limiting resistance, 250 ohms including transformer resistance, in anode	OB/GVT	5.00 10 @ 4.75
U26	Mazda logo, UK NOS. A rectifier tube designed for television high voltage supplies. Data www.mif.gda.pl/homepages/frank/sheets/147/u/U26.pdf	Mostly GVT	1.20 100 @ 0.80
U31	Equivalent 25Z4. Hundreds of UK or USA NOS in stock.	Mostly GVT	3.20 100 @ 2.50
U37 / CV4061	GEC, UK NOS. Potential audio type. Nice 1970s vintage British made GEC Genelex CV4061. High voltage double diodes. Data U37: Vf = 1, 4V, If = 140 Ma, Va = 15000V, Ik=2Ma More data www.tubecollector.org/cv4061.htm Photo www.tave.co.uk	GB	2.70 10 @ 2.00 100 @ 2.10 500 @ 1.80
U50	MOV UK, NOS. Grey or black anode. Very rare item. Few pieces in stock this month.	OB/WB	60.00 4 @ 55.00
U50 / 5W4	USA NOS. These 5W4 USA are similar but not equivalent to U50.	OB/WB	4.60 20 @ 3.75
U50 Grade One	GEC/Marconi with logo or sticker. Very rare. Unused and test like new but not best appearance. 4 pieces.	G1 box	32.50
U76	NOS West European.	OB/WB	5.75 50 @ 5.00
U191	Mazda logo, UK NOS. A rectifier tube designed for television EHT etc. We also have U301, that is similar not equivalent.	Most OB	3.20 200 @ 2.80

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Data http://electronbin.com/sheetsU.html		
U801	Mazda logo UK NOS. 40 in stock.	OB/WB	8.00
UABC80	East European manufacture.	BP	5.00
UAF42 / 12S7	These UAF42 have similarities to EF86. Philips NOS. West European made. A popular RF/IF amplifier tube. Rimlock B8A socket to fit from stock, ref SOC 89SKS. Photo www.tave.co.uk/wholesale/product.asp?ID=2998 Data http://tubedata.itchurch.org/sheetsU.html Good quality B8A sockets are also made in China (socket fits UAF42, EL41, EF40, ECC40 & AZ41). UAF42 is a diode - pentode. The pentode section is similar to EF86. UAF42 data: heater 12.6v at 100mA, anode 200v, screen 85v. Grid -2V. Anode 5 mA. Emission 2.0 MA/V.	BP/WB	2.00 8 @ 1.34 200 @ 1.25 3,000 @ 1.20
UB41	Mullard, West European.	OB	3.00 60 @ 2.40
UBC41	When available, wholesale price is GBP7.00. NOS.	OB/WB	POA
UBC81	West European made NOS. Philips, plus some Mullard and a few Telefunken.	Most OB	5.00 5 @ 3.60 150 @ 3.25
UBF80	Bentley acoustic made in Russian. NOS guaranteed.	WB	3.00 5 @ 2.00 200 @ 1.80
UBF80	A small quantity of Mullard UK / Holland and Telefunken West German with ◇. Also enquire about 200 pieces Russian EBF80 at lower prices.	OB	3.00 Mullard
UBF89	500 pieces Bentley acoustic logo Russian. UBF89 equiv to 19FL8. The UBF89 is an RF or IF amplifier pentode with 2 diodes. Photo www.tave.co.uk Data http://tubedata.itchurch.org/sheetsu.html	OB	2.40 10 @ 1.50 500 @ 1.20
UF89	Mullard or other West European made. NOS.	Most OB	6.50
UBF89	A small quantity of Mullard UK / Holland and Telefunken, West German with ◇. Also enquire about 200 pieces Russian EBF80 at lower prices.	OB	3.00
UC92	Hundreds of NOS in stock.	Mostly GVT/WB	2.00 100 @ 1.50
UCC84	Mullard, Western European.	OB/WB	3.00 150 @ 2.40
UCC85	RFT German made NOS. These are UCC85 which are a near equivalent to ECC85 but these UCC85s have a 26 volt heater. NOS Clean and all identical with guarantee. UCC85 data: Vf=26V, If=100ma, Va=200V, Ik=10ma, S=5.8Ma/V, Pa=2x2.5W. ECC85 Russian are becoming rare and expensive. Instead, we have large stocks of UCC 85 at bargain prices. More UCC85 data at the tubedata.itchurch website. Photo www.tave.co.uk	WB	2.30 20 @ 1.70 100 @ 1.50 500 @ 1.30
UCC85	Westinghouse logo, USA. NOS, clean, uniform and guarantee.	OB	3.00 20 @ 2.60 100 @ 2.00 500 @ POA
UCH11	RFT East German, NOS.	OB/WB	6.00
UCH11	Telefunken + other West German, NOS.	OB/WB	12.00
UCH42 / 14K7	Philips, West European NOS. A triode-hexode converter or amplifier / phase splitter tube. Rimlock B8A 89SKS socket to fit in stock. Data http://tubedata.itchurch.org/sheetsU.html Photo www.tave.co.uk	OB/WB	2.20 10 @ 1.80 100 @ 1.50 1,000 @ 1.20
UCH81	Bentley/Russian. Deduct 0.2GBP if you accept bulk pack/egg crate instead of white box.	WB	2.20 100 @ 1.70
UCH81	Mullard UK.	OB	5.00
UCL81	Glotron, German. NOS 1980s. A B9A signal amplifier and output triode, pentode. Operate voltage 170-200. They give 2.5 watts single ended.	WB	2.00

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	Vade mecum. Deduct 25p if you accept with no box ie bulk pack. Photo www.tave.co.uk Data http://frank.pocnet.net/vademecum5.html		300 @ 1.00
UCL82	2 or 3 Eastern European brands including Tungsram. Similar to ECL82 but different heater.	WB	5.00 10 @ POA
UCL83	Mullard, made in Holland. Similar to ECL83 but different heater. A signal amplifier and output triode - pentode. Operate voltage 170-200V. Would make a good single-ended or push-pull low power audio, guitar or headphone amp. Output is 2.5watts single-ended. Deduct 25 pence if you accept without a box. Data www.mif.pg.gda.pl/homepages/frank/sheets/129/u/UCL83.pdf	OB/WB	5.00 10 @ 4.00 300 @ 2.00
UF41	Philips Miniwatt, NOS. West European. Tested.	OB/WB	7.00 50 @ POA
UF80	Bentley acoustic logo, East European.	OB/WB	2.75 10 @ 2.40 70 @ 2.10
UF85	Telefunken logo, West European with ⬡. Also enquire about 100 pieces Russian at a lower price.	OB/GVT	Telefunken 5.00
UF86	Mullard logo UK/Holland. NOS.	OB/WB	5.00 10 @ 2.40
UL11	Telefunken.	WB	POA
UL41	Mullard, West European manufacture. NOS.	Most OB	12.50 8 @ 11.50
UL41	East European manufacture. NOS.	OB/WB	11.00
UL41 / 10P13	These are 10P13 NOS, Mazda & other West European. 10P13 has a slightly different heater and base, compared to UL41, but this doesn't matter in ACDC radio. 10P13 plugs in successfully to UL41 socket.	OB	8.00
UL44	Mullard, UK/Holland with Mullard, logo.	OB	6.00 20 @ 3.50
UL84	Mixed brands. East European manufacture.	OB/WB	8.00 10 @ 7.00
UL84	Mullard logo UK NOS. Also 2 Marconi UK.	Most OB/WB	15.00 10 @ 13.00
UM34	Various brands. NOS.	OB/WB	30.00
UM80	Mazda/mixed brands.	OB/WB	3.50
UM84	Bentley/Philips. Some are West European manufacture.	OB/WB	3.50 70 @ 2.40
UR1C	Mullard, NOS. Like UY41 or U19 but much lower power. Half wave rectifier. B5 base. Data/photo http://www.r-type.org/exhib/aaa0644.htm	OB/WB	5.00 36 @ 4.00
UU3 USED	Mazda. UK made. Balloon shape. Used, tested.	WB	32.00 2 @ 30.00
UU4 Grade One	Mazda logo UK. Grade one.	G1	20.00
UU5	Mazda logo UK NOS. Genuine version with "8 hole anode". MU14 is equivalent but different anode design etc. These are genuine Mazda UK UU5.	OB/GB	27.50
UU5 Grade One	Mazda logo UK Grade One. Genuine version with "8 hole anode". Not new appearance but decent appearance.	G1	20.00
UU6	Mazda logo UK NOS.	OB/GB	7.00
UU7	Mazda logo UK NOS. Genuine version with "8 hole anode".	OB/GB	77.00
UU7 Grade One	Mazda logo UK. Tests as Grade One. Not new appearance but good appearance. Genuine version with "8 hole anode".	G1	40.00 3 @ 35.00
UU7 USED	Mazda logo UK. Used and tested. Genuine version with "8 hole anode".	WB	1 @ 35.00
UU8	Mazda UK NOS. Mazda octal socket to fit, from stock, ref SOC89MC.	OB/WB	30.00 6 @ 27.50
UU9	MOV UK NOS. Equivalent EZ40.	OB/WB	5.00

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Billington Export Limited

TYPE	COMMENT	BOX	£ GBP PRICE each
UX-CV-11	1 only. United logo USA NOS is a 65 watt triode with a mu of 14 designed for full ratings to 30 MHz. Similar to a 211H. Max voltage = 1500, Max current = 150 ma, fil voltage = 10, Fil current = 2.5 amps. Data http://www.tubecollectors.org/united/archives/uxcv11.pdf It's similar to a 211H, data http://frank.pocnet.net/sheets2.html	OB/WB	125.00 2 @ 120.00 4 @ 100.00
UY41	UK. NOS. Mullard or Mazda. Availability varies.	Most OB	9.00
UY82	Rectifier, near equivalent to UY85 Mullard, West European manufacture.	OB/WB	2.00 300 @ 1.50
UY85	West European. NOS. 8 of each brand Mullard, Mazda, Brimar, Siemens and MWT/Marconi.	Most OB	8.00 8 @ 7.00 40 @ 6.00
V914	Mazda logo. UK NOS. Balloon shape. An indirectly heated double diode designed for HF signal detection. Data/photo www.r-type.org/exhib/aaa1005.htm	OB/WB	14.00 6 @ 13.00
VA216	UK. NOS.	Most OB	14.00
VCR139A	GEC UK NOS. 2.5 inch screen. CRT. Equivalent to CV279 and CV1588. GEC UK NOS. 2.5 inch CRT.	OB	17.00 30 @ 13.00
VCL11 Grade One	Valvo. Tested as Grade One. 1 only in stock.	G1	37.50
VF14 USED	1piece only. Used and tested maybe available from our supplier.	WB	POA
VF14	Please consider EF14 , which is similar but has different heater voltage. VF14 is very scarce and expensive.		
VMS4/VMS4-B	UK NOS, few pieces.	OB/WB	15.00
VMS4/VMS4-B USED	UK. Used and tested, few pieces.	OB/WB	7.50
VP4B USED	West European. Used, tested eg Mazda.	WB	10.00
VR105-30	Equivalent to OC3 USA NOS, mix USA brands. Sylvania, Westinghouse, RCA. A gas discharge tube/voltage regulator. Needed for Leslie speakers. Leslie still make speakers fitted with OC3. Data http://tubedata.itchurch.org/sheetsV.html	OB/WB	5.00 10 @ 4.00 50 @ 3.50
VR130	NOS. USA. Please enquire for a price.	OB/WB	Stock
VR150-30	Choose Westinghouse or Marconi, 100 of each. USA or Canada. NOS with logo. Audio type. Equivalent to OD3. Octal base gas discharge tube/voltage regulator. Data http://electronbin.com/sheetsV.html (look at OD3 equivalent).	OB	6.00 50 @ 3.80 Special offer 200 @ 3.00
VR150-30	Visseaux logo, French made. NOS. Potential audio type. 150 all the same. For data & equivalents refer to VR150-30 Hytron paragraph, above.	GVT	5.00 10 @ 4.00 150 @ 3.20
VS10G	CV5290. Trochotron counting device. UK/USA NOS. Data http://electronbin.com/sheetsv.html , or try Google. If your hobbies include nixes, dekatrons, this might interest you.	GB	30.00 5 @ 25.00
VT5	Western Electric logo, in stock. Equivalent to WE 215A. 3 pieces. The first WECO tube is also called peanut-tube due to its small size; it was sold as 215A in the early 1920s . Data for 215A WE http://tubedata.itchurch.org/sheets2.html Photo http://www.radiomuseum.org/tubes/tube_vt-5.html	OB/WB	45.00 3 @ 40.00
VT127A	EIMAC, Raytheon, NOS. Equivalent to 227A. USA brands. NOS. Vf 10.5 Volts, If 10.7A. VHF triode or audio power triode. *4 wires/prongs emerge from the glass* . Sometimes available.	OB/WB	50.00
VT52	The VT52 we have in stock are the English version and NOT equivalent to type 45 [special equivalent] which is not available.		
VX2630 USED	EEV T.W.T. Used but working and clean.	OB/WB	POA
VX8167	Mullard, 7 flying leads. Wire ended. May be equivalent to EL70. Data available on request.	GVT	POA 1,000 @ POA
X65	GEC UK. NOS. Clear glass GT.	GVT	4.80

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TYPE	COMMENT	BOX	£ GBP PRICE each
	We might have 100 pieces CV1193 equivalent.		100 @ 4.00
X65	GEC UK. NOS. ST shape. Includes VR99.	OB/WB	12.00
X78 or X79	Both are the same price. UK made. NOS.	OB/WB	12.00
XB1	Hivac USA. Barretter.	WB	3.50
			1,000 @ 1.80
XC15	NOS USA / West Europe. 8 in stock.	OB/WB	4.00
XC12	UK / USA. NOS. All seem to be the same appearance.	WB	3.80
	Deduct 25p, if you accept bulk pack/ egg crate instead of white box.		200 @ 3.00
XC12T	NOS USA / West Europe. 18 in stock.	OB/WB	4.00
XC23	UK/USA NOS. Good quantities in actual physical stock.	Most OB	POA
	Please enquire.		
YG2-500	Mullard, logo UK NOS. Near offers considered.	OB	40.00
	Data is at CV1144 equivalent, on website.		10 @ 30.00
	http://frank.pocnet.net/other/ServiceTypes/CVnumbers.html		
XL635	EEV UK NOS. Glow modulator.	OB	300.00
	Data from EEV catalogue available. 20 pieces in stock.		20 @ POA
XP3402B	Mullard. Photo multiplier. End viewing.	GB	50.00
	2 inch multi-stage tube, UK NOS.		
XR1-1600A	Mullard, Philips & other West European made. 6 pieces NOS.	OB/WB	50.00
XR1-3200	Mullard, Philips & others. NOS stock.	OB/WB	POA
XR1-6400	Mullard, Philips & others. NOS stock.	OB/WB	POA
Y11-2741	NOS West European made. Thompson.	OB/WB	20 @ POA
Y11-2424	NOS West European made. Thompson.	OB/WB	20 @ POA
Y63	Magic eye West European made NOS.	OB/WB	POA
Y65	Magic eye West European made NOS.	OB/WB	POA
Y739F	Eimac USA NOS. Tested, With guarantee.	OB	POA
	Made In 1994. New and unused. Price negotiable.		
Y799	Eimac. NOS.1990s made. Similar to 4CX250B but Y799 has a heat sink, instead of radiator fins. Y799 is an ideal audio power amplifier, high current. It cools via a heat sink which avoids usage of noisy fans. Data/photos of 4KC160/ Y799 at www.r-type.org/exhib/aaa1240.htm . Y799 is equivalent to CCS eev.	OB	32.00
			40 @ 25.00
Y799 USED	Eimac. 1990s made. Clean tested used. Decent appearance. Similar to 4CX250BC.	WB	16.00
Y808	Eimac, USA NOS. With guarantee.	OB	32.00
Y825	Eimac, USA. With guarantee. Tested as new.	GVT	400.00
	Offers considered if taking all.		10 @ 300.00
Y825	Eimac, USA NOS. With guarantee.	GVT	POA
Y853	Eimac NOS.	OB/WB	POA
YC233	CPI/Eimac. USA. NOS. 2 pieces in stock.	WB	OFFERS
YD1051	Siemens or Philips West Europe. NOS. Coaxial triode	OB	22.00
	Data www.radiomuseum.org/tubes/tube_yd1051.html		60 @ 17.00
YD1051 / 6816	AEG German NOS. Coaxial triode.	OB	30.00
	Data www.radiomuseum.org/tubes/tube_yd1051.html		50 @ 22.00
YG1000	Telefunken NOS. Directly heated electrometer tetrode with oxide cathode and space charge grid, grid current ≤600 Aa, magnoval base with input grid on top cap.	OB	16.00
			35 @ 13.50
YL1000	Mullard, UK Holland. Equivalent 8463	OB	16.00
			10 @ 13.50
YL1101 / 6816	RTC Holland NOS. Coaxial tetrode; 115W Pa, 1.2GHz.	OB	36.00
	Data https://www.radiomuseum.org/tubes/tube_6816.html		20 @ 30.00
YL1150	Mullard, UK Holland NOS. Huge possible audio tetrode/ strap it up as a triode. 75W Pa, 200W in AB1 at 600V, with G2 250V, gm 35.	OB/WB	150.00
	Data http://electronbin.com/sheetsY.html		
YL1080	Mullard logo UK NOS.	Most OB	3.00
	Equivalent 8348.		8 @ 2.33

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TYPE	COMMENT	BOX	£ GBP PRICE each
			60 @ 2.00
YL1190	Mullard, UK Holland. Equivalent 8580. Possible audio double tetrode with an instant heating 1.1v heater. Also suits mobile RF transmitter finals. Data http://tubedata.itchurch.org/sheetsY.htm Photo www.radiomuseum.org/tubes/tube/yl1190.html or better photo on www.tave.co.uk	OB	13.00 50 @ 10.00
YL1240	Mullard UK Holland. Equivalent 8548.	OB	12.00 10 @ 10.00
YL1250	Philips NOS. UK Holland. Equivalent to 8505. Data http://www.dl7avf.info/charts/roehren/penrfpa.html#YL1250	OB	14.00 50 @ 11.00
Z2B	RWN East German manufacture, brass base. Socket 7E2D to fit this valve in stock.	WB	16.00 12 @ 16.00
Z2B Grade One	RWN East German manufacture, brass base. Tested as Grade One.	G1	12.00
Z2C	RWN East German NOS. Socket 7E2D to fit this valve in stock. Audio rectifier.	WB	40.00
Z2D	Siemens West German NOS. Socket 7E2D to fit this valve in stock. Audio rectifier.	WB	40.00
Z2E	Siemens West German NOS. Socket 7E2D to fit this valve in stock. Audio rectifier. Data on request.	WB	40.00 6 @ 30.00
Z300T	Mullard logo, UK. NOS cold cathode tube or Thyratron, similar to OA4G. Data http://tubedata.itchurch.org/sheetsZ.html	OB/WB	5.00 50 @ 4.00
Z300T	Mullard, logo UK NOS. Thyratron. Equivalent to PL1267, 1267, OA4G, RL1267. Data http://electronbin.com/sheetsZ.html	OB/WB	8.25 10 @ 5.50 50 @ POA
Z303C	Mullard, logo UK NOS. Dekatron. When available. Data http://electronbin.com/sheetsZ.html	OB	POA
Z319	Audio type. Equivalent to CV2276. 6351. NOS. UK made STC or ITT. Most have logo. NOS. A high gain B9A secondary emission pentode. Data www.r-type.org/exhib/aai0023.htm	Mostly GVT	4.50 100 @ 3.25
Z502S	UK NOS. Dekatron. Maybe equivalent to GC1C/S. Data http://electronbin.com/sheetsZ.html	OB/WB	12.00 5 @ 10.00
Z520M	Mullard, NOS. Nixie tube. Maybe equivalent to ZM1020, Z560M? This display tube has 10 shaped anodes, each shaped as a digit from 0 to 9. Operating voltage 150V. End window is 29mm diameter, 25mm long excluding pins. Data/photo www.r-type	OB	Prices below
Z520M	We may have 10 pieces each of the following Nixie tubes. NOS. Z520M, ZM1022, GC10B.	OB/WB	12.00
Z700U	Mullard, logo NOS West European made. When available.	OB/WB	POA
Z759	These are Z759 GEC logo or Marconi MWT logo UK NOS. Printed CV5060. Tested/guaranteed. *Z759 has similarities to 3A-167M, D3A, 417A, EF86 and 5842, but not equivalent* . Data for Z759 and all other types http://tubedata.itchurch.org/sheetsZ.html	OB/GVT	10.00 50 @ 9.00 200 @ 8.00
Z759 USED	GEC logo UK. Used, tested, guaranteed CV5060. This is Z759 not Z729.	OB/GVT	6.00
Z803U	Mullard, logo, UK, NOS. Suitable for audio compressors. Bargain price. Data www.tubedata.org	OB	5.00 10 @ 4.50 100 @ 3.90
Z803U	West European including Mullard.	OB/WB	5.00 100 @ 4.50
Z806W	West European including Mullard.	OB/WB	5.00 100 @ 4.50
ZA1000	West European including Mullard.	OB/WB	5.00 100 @ 4.50
ZM1000	West European, Philips, NOS.	OB/WB	21.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
			15 @ 20.50
ZM1020	Telefunken Mullard etc logo West Europe NOS. Nixie tube. This maybe a near equivalent to ZM1022, Z560M or Z520M. Data on request.	OB/WB	8.00 30 @ 6.00
ZM1021	Alias CV8572 Telefunken Mullard etc, West Europe NOS. Nixie tube.		12.00 20 @ 10.00
ZM1022	Telefunken logo West Europe NOS. Nixie tube. This is maybe a near equivalent to ZM1020, ZM1022, Z560M or Z5600M Z520M. This display tube has 10 shaped anodes, each shaped as a digit from 0 to 9. Gas discharge around the chosen anode indicates the value chose. Operating voltage 150V. End window is 29mm diameter, 25mm long excluding pins. Photo/data for Z520M a similar item www.r-type.org/exhib/aabo156.htm	OB	10.00 20 @ 8.00
ZM1022	West European NOS. 15 pieces should be in stock.	OB/WB	POA
ZM1040	These nixies are partly similar to 8421/5092A, but different pinout. The lit digits are +175VDC with 39K in series. They are very bright, but require little energy. 13 pin round sockets. Giant vertical view tubes, with red contrast filter.	OB/WB	POA
ZM1080	Mullard, NOS. 17 pieces. West European made. Nixie tube. Data http://frank.pocnet.net/sheets/013/z/ZM1080.pdf Photo http://www.andycowley.com/valves/opto/Nixies/ZM1080/ZM1080.php	OB/WB	12.00 17 @ 10.00
ZM1162	Mullard logo, West Europe, NOS. Nixie tube.	OB	10.00
ZM1180	Siemens West Europe NOS. Nixie tube. Data on request.	OB/WB	22.00 5 @ 20.00
ZP1550	Geiger Muller Counter Tubes by Centronic. Equivalent to MX188 Mullard, NOS/ new guaranteed. UK or USA made.	OB	55.00 35 @ 45.00
ZZ1000	Mullard, West Europe.	OB/WB	5.00 10 @ 4.00
ZZ1040	Siemens West Europe. NOS Voltage Regulator. Data http://frank.pocnet.net/sheets/128/z/ZZ1040.pdf Photo http://www.radiomuseum.org/tubes/tube_zz1040.html There is some flexibility on ZZ1040 prices.	OB/WB	5.00 5 @ 3.00 80 @ 2.50

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DISPLAY ITEMS

DISPLAY ITEMS	<p>In stock. Various large valves/ Klystron/ Magnetron/ Thyratrons/ TWT etc that are used, decent appearance, untested and sold as DISPLAY ITEMS only. NOT WORKING.</p> <p>Photos: WWW.TAVE.co.uk/non-working-valves-on-display-at-our=offices.asp</p> <p>Data may exist at http://www.r-type.org/search.php</p> <p>Items like this include 5C22, 5949, CX1559, CX1140, 6975, CV2298, CV6117, CV6223, CV360, CV447, ACT28/CV2163, ACT6, ACT9.</p> <p>Many of the above items are more than 12 inches / 30cm tall.</p> <p>You can see photos of these items that are new and working, on our website or eBay page. Alternatively photos can be emailed to genuine customers. What we are supplying in this price bracket, are used, decent appearance and tested.</p> <p>NOT WORKING, FOR DISPLAY ONLY.</p>	OB/WB	POA
DISPLAY ITEMS	<p>More large valves/ Klystron/ Magnetron/ Thyratrons/ TWT etc that are used, decent appearance, NOT WORKING and sold as DISPLAY ITEMS.</p> <p>Items include: CV360, CV6173, CV2298, CV6107.</p> <p>Prices between GBP15 plus VAT and post up to GBP30 plus VAT and post.</p> <p>Photos www.TAVE.co.uk, or http://stores.ebay.com/Billington-Export/_i.html?_sop=10&rt=nc , or http://www.r-type.org/search.php</p> <p>OR put into Google, the words "tube XYZ, radiomuseum.Org"</p> <p>Many of the above items are more than 12 inches/30cm tall.</p> <p><i>These are USED, decent appearance NOT WORKING, for display only. 30 pieces in total.</i></p>	WB	POA
DISPLAY ITEM	<p>TP1-15/20, 50cm tall!</p> <p>Probably NOS and unused but sold as not working, for display only.</p> <p>6 AMP 15,000V, Russian Thyatron. Own a fascinating piece of history, to put in your bookcase! Photo/data available quickly on request.</p> <p>Overseas post is expensive due to tall size. Collection possible, strictly by prior appointment.</p>	WB / optional wooden crate	<p>20.00</p> <p>4 @ 18.00</p> <p>GBP12.00</p> <p>courier to UK.</p>
	<p>TP1-15/20 NOS and unused, guaranteed.</p> <p>6 AMP 15,000V, Russian Thyatron. Cathode type oxide, indirect heating.</p> <p>Filament voltage, V 5. Filament current, A 16-23.</p> <p>A-C voltage, V 18. Grid voltage, V minus 30-5.</p> <p>Max. average cathode current, A 20.</p> <p>Max. reverse voltage, kV 15.</p>		<p>1kg weight but overseas post is expensive due to tall size.</p> <p>GBP12.00</p> <p>courier to UK.</p>

CAPACITORS

Oil Fill Paper Block Capacitors	<p>We have the following oil filled paper block capacitors. These are NOS, clean, tested/guaranteed.</p> <p>They are made by Dubilier or TCC in England.</p> <p>Great for audio amplifiers.</p>		
	1MFD @ 440 volts	23	12.00
	2MFD @ 220 volts	26	12.00
	2MFD @ 250 volts	13	12.00
	2MFD @ 400 volts	9	12.00

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Potentiometer COMPP25	Litton made, vintage UK NOS, details on request. Nice quality item	Colourful OB	1 @ POA 100 @ POA
Fuse COMPP75	Probably UK USA made. Ceramic fuse. 2 amps, details on request	OB/WB	1 @ POA 2,000 @ POA

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TOROIDAL TRANSFORMERS

Advantages of toroidal transformers for audio amplifiers

They are highly efficient which allows them to be conservatively rated without causing size or weight problems.

There are no loose laminations or air gaps in the design. This, together with the absence of any external field, makes the toroidal transformer very suitable for audio amplifiers where electrical and mechanical noise must be avoided.

OUR REFERENCE	AMPLINO CODE	COMMENT	BOX	£ GBP price each
COMPMT101	XA261	Toroidal power transformer for audio amplifiers, made by Amplimo in Holland to EN61558 121VA. Diameter 98mm / Height 48mm / weight 1.4kg Primary 2 x 115V Secondaries 300V/310Ma; 6.3V/4A; 10V/0.1A; 20V/0.1A Data sheet & photo available on request	OB	42.40 15 @ 35.00
COMPMT102	38010	Toroidal power transformer for audio amplifiers, made by Amplimo in Holland to EN61558 80VA. Amplino code 38010 Diameter 91mm / Height 35mm / weight 0.9kg Primary 230V. Secondaries 2 x 6V/6.67A Data sheet & photo available on request	OB	25.00 7 @ 20.00
COMPMT103	7N1587	Toroidal power transformer by Amplimo. EN61558 314VA. Amplino code 7N1587. Primary 2 x 0 – 110V – 120V, secondaries 0-360V/0.7A; 0-6.3V/9A; 0-50V/0.1A. SOLD OUT	OB	POA
COMPMT104	1N242	Toroidal power transformer for audio amplifiers, made by Amplimo in Holland to EN61558 30VA 1999 - 2010 manufacture (230V Primary). Diameter 70mm / height 34mm / weight 0.44kg. Primary 1 x 230V 50/60 Hz Secondaries 230V/60Ma; 6.3V/2.5A Data sheet & photo available on request.	OB	25.00 4 @ 18.00
COMPMT105	4N1241	Toroidal power transformer for audio amplifiers, made by Amplimo in Holland to EN61558, 76VA Amplino code 4N1241. Diameter 95mm / Height 51mm / Weight 1.2kg Primary 2 x 115V Secondaries 275-175-0-175-275V/80Ma; 3.15-0-3.15V/2.5A; 0-5.0-6.3V/2.5A Diameter 70mm / Height 34mm / Weight 0.44kg Primary 2 x 115V Secondaries 230V/60Ma; 6.3V/2.5A Data sheet & photo available on request	OB	60.00 2 @ 55.00

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SOCKETS

We can usually supply top caps and sockets for every valve listed in this catalogue, most supplies are from stock, however there may be some delay on very rare types.

Photographs of most of the following sockets can be sent to you by e-mail or post/airmail

TYPE	ORDER CODE	COMMENT	BOX	£ GBP PRICE EACH
SPECIAL ITEMS				
4CX250B	SOC84CX	UK or USA socket for 4CX250B. Used but clean and guarantee. We might be able to obtain new versions at a higher price.	BP	30.00
4CX250B	SOC84CX CH	UK or USA chimney socket for 4CX250B. Used but clean and guarantee. We might be able to obtain new versions at a higher price.	BP	15.00
4CX1000A			BP	POA
833A	SOC833	Socket for 833A. Chinese. Ceramic ring with 2 metal clips. Nice quality, current production item. We have top caps/anode caps for 833A, refer to TOP805. This socket fits 833A & GU48. Plated contacts, good tight contact with valve pins.	BP	20.00
Fits 6111	SOC86111	Ceramic moulded PCB. Fits wire ended flying lead valves such as 6111 and 6112. NOS. West European made	BP	2.50 100 @ 0.60 1,000 @ 0.50
4 PIN SOCKETS				
SK600	SK600	Ceramic chimney. Suits the sockets for 4CX250B. Eimac USA made NOS clean guaranteed.		20.00 6 @ 10.00
SK600	SK600	PTFE chimney. Suits the sockets for 4CX250B. USA made NOS, store soiled appearance but NOS and guaranteed.		12.00 60 @ 8.00
SK610 Fits CV57	SOC457	Chassis mount. NOS clean, UK, guaranteed. Fits CV57.	OB/ WB	30.00 5 @ 20.00
SK700		Sockets for 4CX250B. Eimac USA made NOS clean, guaranteed. 6 pieces. Offers considered.	OB	50.00 6 @ 40.00
5C22	SOC4 – 5C22	New 4 pin socket for 5C22.	GVT	49.00
4212E	SOC47E	Chassis mount, black material. The phosphor bronze contacts withstand high voltages. Fits 4212E. Handmade in the UK exclusively for Billington BUT we no longer make this item. 2 pieces only.	BP	55.00
B4	SOC4B4 / B5B	Chassis mount, black material, bronze pins. Handmade in the UK exclusively for Billington. Fits PX4, PX25, ML6, 3A-110B, etc. Photo www.tave.co.uk , please note we no longer make this socket, only limited quantity left in stock.	BP	5.00
B4	SOC4B4 / B5C	Chassis mount Chinese white ceramic. Use with ML6, PX4, PX25.	BP	3.00 5 @ 2.00 100 @ 1.80 300 @ 1.60
B4	SOC4B4 / B5V	Chassis mount. Vintage UK made.	BP	7.50
B5	SOC4B4 / B5CUK	Chassis mount, very high quality UK made NOS ceramic construction. Resists high temperature and high voltage, suitable for U19 another high power tubes including PX4, PX25, this is a B5 socket, but can be fitted as a B4 socket. Also fits 3A-110B, etc.	BP	Currently out of stock, please enquire

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DA100	SOC45DA	4 pin, black amphenol with phosphor bronze contacts. Fits DET25 and DA100.	BP	POA
JUMBO 4 PIN	SOC41C	Ceramic, for 211, 845, VT4C etc. Chinese manufacture, current production. New and clean.	BP	8.00
JUMBO 4 PIN	SOC41US	Johnson USA made, jumbo bayonet, ceramic socket for 211/845. Used but decent condition, working. Terminals with nuts are all fine. Porcelain glazed top and sides, phosphor bronze contacts.	BP	15.00 4 @ 12.00
JUMBO 4 PIN GOLD	SOC42G	Contacts and pins both gold plated, for 211, 845. Chinese manufacture.	BP	11.00 25 @ 9.50
7092	SOC4-7092	Fits 7092 and TB5-2500 Chinese manufacture. New, good quality.	BP	75.00
UV4	SOC4-110A	UV4 socket, not UX4. Asian manufacture. This is the perfect correct fitting for 3A-110A, 4020A & some WE types. Photo www.tave.co.uk click "buy on-line" & "sockets 4 pin"	BP	25.00 10 @ 20.00 50 @ 16.00
UX4	SOC4XU	Ceramic, vintage USA manufacture UX4 socket. Suits 2A3 300B etc	BP	5.00 10 @ 4.00
UX4	SOC43CGC	Ceramic, non-skirted, gold plated, for 2A3, 300B, 811A, SV811-3 and SV811-10 etc. Chinese manufacture. Photo www.tave.co.uk . Click "buy on-line" then "sockets 4 pin"	BP	3.30 100 @ 2.30
UX4	SOC43NS	Ceramic, non-skirted, for 2A3, 300B, 811A, SV811-3 and SV811-10 etc. Chinese manufacture. Big discounts available on orders of 500 pieces or more.	BP	1.30 10 @ 1.20 100 @ 0.90 500 @ POA
UX4	SOC43S2	Ceramic, non-skirted, for 2A3, 300B, 811A, SV811-3 and SV811-10 etc. Chinese manufacture. New design, the appearance is more similar to vintage UK / USA made, ceramic insulator, silver colour metal flange. Photo www.tave.co.uk . Click "buy on-line" then "sockets 4 pin"		2.75 100 @ 1.40
UX4	SOC43SC	Amphenol USA made. Skirted, 4 pin attractive white ceramic. Large skirted 300B socket. NOS, Unused, slightly store soiled. Looks like it will be suitable for high-power 300B or other high power application.	BP	6.20 30 @ 4.50
UX4	SOC43SG	Ceramic, non-skirted, for 2A3, 300B, 811A, SV811-3 and SV811-10 etc. Chinese manufacture. New design, the appearance is more similar to vintage UK / USA made, ceramic insulator, gold colour metal flange. Photo www.tave.co.uk . Click "buy on-line" then "sockets 4 pin"		3.50 100 @ 2.00
UX4	SOC43USA B	Chassis mount, very high quality USA made. NOS. Black plastic or black amphenol construction. Resists high temperature and high voltage, suitable for 300B & other high power tubes including 2A3.	BP	5.00 16 @ 4.00
UX4	SOC44LOK	Skirted, attractive white glazed ceramic. Large locking type 300B socket. Photo www.tave.co.uk . Click "buy on-line" then "sockets 4 pin"	BP	3.20 50 @ 2.00
5 PIN SOCKETS				
4-1000A	SOC5 – 4	New 5 pin socket for 4-1000A, 3-1000Z and 5868. 10 or more in stock. Ceramic and shiny metal. Photo www.tave.co.uk . Click "buy on-line" then "sockets 5 pin"	GVT	49.00
B5	SOC4B4 /B5A	Chassis mount black high temperature material with grey metal contacts. Suitable for ML4.	BP	POA
B5	SOC4B4 /B5B	Chassis mount, black material bronze pins. Handmade in the UK exclusively for Billington's. Fits PX4, PX25, ML6, 3A-110B, etc.	BP	5.00
B5	SOC4B4 /B5C	Chassis mount, Chinese white ceramic. This B5 socket can also work as a B4 socket without any changes. Fits ML6, PX4, PX25, 3A-110B.	BP	2.50 10 @ 1.30 100 @ 1.20
B5	SOC4B4-	Chassis mount BLACK high temperature material with silver	BP	5.00

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	B5VBL	colour metal contacts. UK made exclusively for Billington. We no longer make sockets - order whilst still available! Fits PX4, PX25, ML6, 3A-110B, etc.		20 @ 4.80
B5	SOC4B4-B5VBR	Chassis mount BROWN high temperature material with silver colour metal contacts. UK made exclusively for Billington. We no longer make sockets - order whilst still available! Fits PX4, PX25, ML6, 3A-110B, etc.	BP	5.00 20 @ 4.80
B5F	SOC5FB	Ceramic UK NOS socket for TY4-400, 3-500Z, 4-400A, etc. UK manufacture.	BP	17.00 10 @ 12.00 50 @ 10.00
B5F	SOC5FB USED	Ceramic UK made socket for TY4-400. Clean ex-equipment with guarantee.	BP	12.00 10 @ 10.00 50 @ 7.00
NUVISTOR	SOC54NC	Chassis mount USA manufacture. Fits 6CW4, 7586 etc. These are unused, but store soiled from 30 years storage. Photo www.tave.co.uk click "buy on-line" then "sockets 5 pin".	BP	5.00 4 @ 4.65 100 @ 3.60
PO5	SOC5PO	Chinese made. Suits Aa, Ba, Ca, Da. We no longer make Bronze pin sockets in UK, regret. These are Chinese ceramic construction.	BP	4.00 10 @ 3.50 50 @ 3.00
UX5	SOC51UX	Chassis mount, black amphenol. UK manufacture. Store soiled. Fits 807, 24, 27.	BP	1.00
UX5	SOC52NSC	Chassis high temperature, glazed ceramic material. Chinese. For 807 etc.	BP	2.20 10 @ 1.80 100 @ 1.40 300 @ 1.30
	SOC86111	Wire ended universal. Fits all wire ended. Ceramic moulded PCB. Fits wire ended flying lead tubes. NOS West European made. This is a 9 pin socket, but would also suit. 8 pin, 7 pin, 5 pin or other wire ended sockets. Wire ended types in our stock include Cv4033, CV4034, CV4051, CV4052, CV4056, DF61, 5977, 5744, 6112, EF72, EF73, CV2000, CV4002, 5644, VX8167. Please note these sockets are "push to fit". They are not spring-loaded. Refer to photograph on our website.	BP	2.50 100 @ 0.60 400 @ 0.50
6 PIN SOCKETS				
UX6	SOC66CN	Chassis mount. Chinese, white ceramic. Use for 310A and other USA valves.	BP	3.00 200 @ 1.50
7 PIN SOCKETS				
813	SOC72CH	Ceramic, large, heavy. Chinese.	BP	3.50 50 @ 2.75
B7	SOC7PT4	Refer to B7 Chinese. SOC 7PT4C.	BP	
B7	SOC7PT4C	Chassis mount, Chinese made, ceramic socket. Fits 11E3, KT41, KT44, FC4, PT4, 3a-172B, MHD4, SP2, SP4.	BP	3.33 4 @ 3.00 200 @ 1.20
B7A/ SEPTAL	SOC71CX	Chassis mount, Chinese manufacture. For use with QQV03-20A, QQV06-40, 6C33CB, 13E1, etc. Glazed white ceramic, pleasant appearance	BP	3.50 30 @ 3.00 300 @ 2.50
B7A/ SEPTAL	SOC71WC	Chassis mount, believed to be UK manufacture. Fantastic military quality. Brass colour flange, white, very high temperature material believed to be PTFE. Fits 6C33CB, 13E1, 829A, 832A, RS1009/19, 3E29 etc.	GVT	6.00 Enquire re bulk prices
B7G	SOC7	Chassis mount, socket for PTT100 / Bi, in stock.	BP	POA
B7G	SOC7BG92	Chassis, PTFE white high temperature material. Skirted. Sold out but enquire in case more arrive soon. Please use numerous other B7G sockets listed on this page.	BP	POA
B7G	SOC7BG93 SOC7BG94	Chassis mount, West Europe/ USA manufacture. Identical, clean and guaranteed. Either brown [7BG93] or black [7BG94]. A high quality military item with Skirt for	BP	0.80 200 @ 0.40 3,000 @ 0.25

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		fitting the screening can.		
B7G	SOC7CPC	Chinese, ceramic. Fits 85A2 6C4 6AB4.	BP	0.40 100 @ 0.27 1,000 @ 0.22
B7G	SOC7C	Chassis mount Chinese. Ceramic	BP	0.80 500 @ 0.45
B7G	SOC7CPCan	Chassis mount, ceramic, with 55mm screening can. The can / shield fits 6AU6 6Z4 6X4.	BP	1.20 10 @ 1.00 400 @ 0.75 1,000 @ 0.65
B7G	SOC7CPCUK	PCB, NOS black material. Believed to be UK made. unskirted.	BP	1.00 500 @ 0.70
B7G	SOC75B	Chassis mount, black, McMurdo UK manufacture. Larger diameter.	BP	0.83 200 @ 0.45
B7G	SOC75C	Chassis mount, brown, McMurdo UK manufacture. Top mount.	BP	0.80 100 @ 0.40
B7G	SOC75CA-TM	Chassis mount, Ediswan UK made, top mount style.	BP	0.80 100 @ 0.40 3,000 @ 0.25
B7G	SOC75CA-TM	Chassis mount, west Europe UK made, top mount style.	BP	0.80 100 @ 0.40 800 @ 0.25
B7G	SOC75Cr	Chassis mount, west Europe UK made, shock mount style.	BP	0.08 100 @ 0.40 800 @ 0.25
B7GCAN	Can.shield. B7gmix	B7G screening can, tube shield, Some fit 6AM5 6AM6 EF91 EF92 EF95. Some fit OA2 OB2 or other size. Used but clean and guaranteed. UK or USA manufacture. Some are Silver coloured metal, some black coated metal. Spring inside. At this price no "picking and choosing", sorry. Sold as they come. Minimum order 20 pieces for this item.	BP	20 @ 0.70 100 @ 0.50
B7G CAN	CAN SHIELD B7GS	B7G screening can, tube shield, fits 6AM5 6AM6 EF91 EF92 EF95. Used but clean and guaranteed. UK or USA manufacture. Silver coloured metal. Spring inside.	BP	1.80 50 @ 1.20
B7G CAN	CAN SHIELD B7GB	B7G screening can, tube shield, FITS 6AM5 6AM6 EF91 EF92 EF95. Used but clean and guaranteed. UK or USA manufacture. Black coated metal. Bronze Spring inside.	BP	1.80 50 @ 1.20
B7G CAN	CAN SHIELD B7GV	B7G screening can, tube shield, NOS. Military spec. (Suit 6C4 85A2 2D21 6AS6 size). Suits skirted based. UK or USA made, black coated, fantastic quality, 50mm tall, copper spring in the top of the can. Attractive appearance, you can still see your valves lit up through the vents of this screening can.	BP	1.50 10 @ 1.00 50 @ 0.90
B7G	SOC77WC	Chassis mount, wafer style, brown, Philips, USA NOS.	BP	0.31 100 @ 0.24 900 @ 0.20
B7 UK	SOC7PT4	Chassis mount. A few are UK antique manufacture, most are Chinese ceramic. This fits 11E3, KT44, FC4, PT4 etc. Alias SOC7PT4C.	BP	5.00 20 @ 4.35 300 @ 4.00
SM7	SOC75S	Chassis mount McMurdo USA.	BP	0.70
SPECIAL	SOC7E2D	Chinese ceramic socket. Super quality fits E2C, E2D, Z2B, C3B, C3D, EC, ED, E2B etc. New, guaranteed. Click "buy on-line" then "sockets 7 pin". Photo www.tave.co.uk	BP	3.50 70 @ 2.80
UX7	SOC7XC	Chassis mount, ceramic. Chinese. Used for CV18, DET19, 2C34.	BP	2.40 80 @ 1.00
8 PIN SOCKETS - other				
	SOC8SUB	PCB socket for subminiature valves, fits eg 6111/6112.	BP	0.62
833A	SOC833	Chinese. Ceramic ring with 2 metal clips.	BP	15.00

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		Nice quality current production item.		
B8A	SOC89SK	Black plastic. New but store soiled appearance. Believed USA made.	BP	2.75 50 @ 2.50
B8A	SOC89SKC	Rimlock Socket. Fits EL41, UAF42, UCH42, EF40 and ECC40. New Chinese made. Ceramic.	BP	5.00 10 @ 3.00 100 @ 1.60
B8A	SOC89SKS	Fits valves such as EF40 and ECC40. NOS. West European made. White ceramic.	BP	6.00 No bulk offer
B8A	SOC89SKS	Fits EF40, ECC40 etc. New Chinese ceramic.	BP	2.60 100 @ POA
CT8	SOC8SC	Improved spring contacts in phosphor bronze. Handmade in the UK for Billington. Photo www.tave.co.uk Click "buy on-line" then "sockets 8 pin Other"	BP	POA
CT8	SOC8SCH	Side contact socket for AZ1, AD1, AL4, EL6, EL8, EF9 and all other side contact valves. Chinese made.	BP	3.00 20 @ 2.50 250 @ 1.75
LOCTAL		B8G/ B8D - fits 3A-167M, 5B-254, 5B-255M, 7S7, 7N7, 7C7, EL22, EF22, ECH21, 14N7, 14F7 etc.		
LOCTAL	SOC88NCS	Refer to 89LC	BP	
LOCTAL	89L	Chassis mount B8G/B8D socket. UK MADE NOS PFTE. Fits 3A-167M, 5B-255M, 7S7, EF22, ECH21, Brass colour flange. High quality military item. SILVER PLATED PINS New but store soiled.	BP	3.10 20 @ 2.70
LOCTAL	89SIE	Chassis mount B8G/B8D socket. NOS. Believed to be German made by Siemens. Black phenolic. Beautiful quality, excellent contacts, mounting hole diameter 27 mm. Hole centre distance from screw holes 35 mm. Diameter of screw holes 3.8 mm. Fits C3M, 3A-167M, 5B-254/5M, 7S7, EF22, ECH21.	BP	2.60 10 @ 2.50
LOCTAL	SOC89	Chassis mount B8G/B8D. Fits 5B-254/5. West European NOS.	BP	4.50
LOCTAL	SOC89	As above, but some may be store soiled.	GVT	POA
LOCTAL	SOC89LC	Chassis mount B8G/B8B. Chinese made. Nice quality and great appearance. White ceramic insulator. Shiny silver colour metal flange. Fits 3A-167M, 5B-254, 5B-255, 7S7, 7N7, EL22, EF22, ECH21, 14N7, 14F7 and C3M.	BP	1.50 20 @ 1.30 300 @ 0.80
LOCTAL	SOC89LW	Chassis mount, Philimore UK made, wafer construction. B8G/B8B socket. Fits 3A-167M, 5B-254, 5B-255, 7S7, 7N7, EL22, EF22, ECH21, 14N7, 14F7 and C3M. Photo www.tave.co.uk	BP	0.90 30 @ 0.65 3,000 @ 0.42
Mazda OCTAL	SOC89MC	Mazda Octal Socket. Alias MO8. Fits SP41 SP42 SP62 VP41 PEN25 CV1331 chassis mount Chinese made. Nice quality. Do not confuse this with normal octal socket, it has different pin size etc.	BP	1.50 20 @ 1.30 300 @ 1.05
Mazda OCTAL	89MAB	Mazda octal socket. NOS. Not same as normal. Octal. Fits pen45 SP61. Black insulator. Believed UK made. Photo www.tave.co.uk , click "buy online" then "socket 8 pin".	BP	4.50 10 @ 4.00 100 @ 3.50
PLUG	SOC8-Plug	Cinch octal plug. Plug and 7 pins riveted to a Bakelite disc that has 4 perimeter scallops. Height 25mm including pins & central blade. Diameter 32mm, tabs 4 x 3mm. Pin 2 is missing. When available.	BP	POA
SPECIAL	SOC8SK660	Chassis mount, Eimac USA made socket. Eimac name is SK660. White ceramic. Believed to be for 8560A and 4CX350A tube. Vintage NOS. 2 pieces. Offers considered.	WB	2 @ 50.00
	SOC86111	Wire ended universal. Fits all wire ended. Ceramic moulded PCB. Fits wire ended flying lead tubes. NOS West European made. This is a 9 pin socket, but would also suit. 8 pin, 7 pin, 5 pin or other wire ended	BP	2.50 100 @ 0.60 400 @ 0.50

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		sockets. Wire ended types in our stock include Cv4033, CV4034, CV4051, CV4052, CV4056, DF61, 5977, 5744, 6112, EF72, EF73, CV2000, CV4002, 5644, VX8167. Please note these sockets are "push to fit". They are not spring-loaded. Refer to photograph on our website.		
8 PIN SOCKETS OCTAL Chassis				
OCTAL		For 6L6GC, 6550, EL34, GZ32, KT33C, KT66, KT88, etc.		
OCTAL	82BC	Chassis mount. Brown Bakelite. Ediswan UK. NOS. Photo www.tave.co.uk/wholesale/home.asp then scroll down.	BP	6.00
OCTAL	SOC8AUSA	Under Chassis mounting, USA made. NOS. Black Amphenol. 8 pin plastic bottom mount 1 inch chassis hole, 1 3/8 inch mounting centres. Photo www.tave.co.uk/wholesale/home.asp then scroll down. Octal Chassis.	BP	1.25 10 @ 1.10 400 @ 1.00
OCTAL	SOC8BLC	Chassis mount, black insulator. New but slightly store soiled, believed UK or USA manufacture. Photo www.tave.co.uk/wholesale/home.asp then scroll down.	BP	1.60 200 @ 1.20
OCTAL	SOC8CCC	Chassis mount, modern Chinese. White ceramic, oval lozenge shape ceramic body. 45mm between fixing holes. Photo www.tave.co.uk/wholesale/home.asp then scroll down.	BP	0.70 300 @ 0.60 400 @ 0.52
OCTAL	SOC8M	Octal socket. Black shrouded material. UK or USA. NOS. Photo www.tave.co.uk/wholesale/home.asp then scroll down.	BP	4.00
OCTAL	SOC8UKC	Octal SOC8UKC Chassis mount, antique English made. NOS. White ceramic, oval metal flange. 45mm between fixing holes. Photo www.tave.co.uk/wholesale/home.asp then scroll down	BP	10.00 8 @ 8.00
OCTAL	SOC8UKC	Chassis mount, antique UK English made. Used, clean, guarantee. White ceramic, oval metal flange. 45mm between fixing holes. Photo www.tave.co.uk click "buy on-line", click "sockets 8 pin Octal Chassis	BP	5.00 16 @ 4.00
OCTAL	SOC8USAC	Chassis mount, antique USA made. Used, clean, guarantee. White ceramic, oval metal flange. 45mm between fixing holes. Photo at www.tave.co.uk click "buy on-line" then "sockets 8 pin Octal Chassis	BP	3.00 16 @ 2.50
OCTAL	SOC8WA	Chassis mount, USA NOS, wafer construction. 300 pieces may exist ask for bulk prices	BP	0.70
OCTAL	SOC84	Chassis mount, Chinese, white ceramic, gold pin and mounting bracket. Fits 6L6, 6V6, EL34, 6550, KT88, etc, with slit-fork style gold plated brass contacts for good tight contact with tube pins. These fit in holes as small as 1 inch, mount from underneath the chassis, and have slots in mounting bracket for mounting holes approx 1 3/8 inch (35 mm) apart.	BP	1.40 100 @ 0.93 500 @ 0.80
OCTAL	SOC88CC	Chassis mount, Chinese. White ceramic, bracket fixing. We have a larger stock of SOC88NB near equivalent.	BP	0.70
OCTAL	SOC88N	Chassis mount, white ceramic, bracket fixing, split terminal. Chinese	BP	1.30 100 @ 0.83
OCTAL	SOC88NB	Chassis mount, white ceramic, bracket fixing. Chinese.	BP	1.30 100 @ 0.83
OCTAL	SOC88NC	Chassis mount Chinese. Ceramic octal.	BP	1.30 100 @ 0.83
	SOC86111	Wire ended universal. Fits all wire ended. Ceramic moulded PCB. Fits wire ended flying lead tubes. NOS West European made. This is a 9 pin socket, but would also suit. 8 pin, 7 pin, 5 pin or other wire ended sockets. Wire ended types in our stock include Cv4033, CV4034, CV4051,	BP	2.50

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		CV4052, CV4056, DF61, 5977, 5744, 6112, EF72, EF73, CV2000, CV4002, 5644, VX8167. Please note these sockets are "push to fit". They are not spring-loaded. Refer to photograph on our website.		
8 PIN SOCKETS OCTAL PCB				
OCTAL	SOC81N	PCB, nylon and Delrin manufacture, very low microphony and vibration, handmade in the UK.	BP	1.80 20 @ 1.00
OCTAL	SOC81PC	PCB mount Chinese. White ceramic. This seems better for 6F6, 6SN7, 6SL7 and 6V6. 88NBPC below seems better for KT88 size.	BP	1.00 200 @ 0.80
OCTAL	SOC 88NBPC	PCB Chinese manufacture, white ceramic. See also socket 81PC above for a very similar item and cheaper. 88NBPC seems to be better for KT88 size	BP	0.50 100 @ 0.42
9 PIN SOCKETS - B9A Chassis				
B9A SOCKETS		For E88CC, ECC82, ECC83, EL84, EF86, etc. Suitable for pre-amps.		
B9A	SOC9BS	Chassis mount, skirted, black plastic insulator. East European or Chinese. Photo www.tave.co.uk/wholesale/home.asp scroll down.	BP	0.70
B9A	SOC9BSC	Chassis mount, Chinese. Black ceramic insulating materials with short screening can [ECC82 size]. Sold as one unit. Photo www.tave.co.uk/wholesale/home.asp scroll down.	BP	1.20
B9A	SOC9CSC	Chassis mount, Chinese. White ceramic insulating material with short screening can (ECC82 size). Sold as one unit. Photo www.tave.co.uk/wholesale/home.asp scroll down.	BP	1.20 25 @ 0.60 100 @ 0.48 1,000 @ 0.45
B9A	SOC9LAM	Chassis mount, wafer style Ediswan UK. Few only. We have hundreds of SOC9AW, SOC9WA similar items. Photo www.tave.co.uk/wholesale/home.asp scroll down.	BP	0.40
B9A	SOC9UBLK	Chassis mount, USA made, NOS. Black Phenolic. Bottom mount saddle style. Clean and attractive. Standard size 7/8" mounting.	BP	3.20 10 @ 2.75 100 @ 2.25
B9A	SOC9WA	OR SOC9WA very similar item. Chassis mount, wafer style, brown. NOS. Believed USA.	BP	0.40 400 @ POA
B9A	SOC93	Chassis mount, Western European NOS. Brown Phenolic. Top mount saddle style. NOS, attractive. Heavy duty tinned phosphor bronze pins with excellent contact tension. Centre post may be grounded for maximum shielding between pins. Fit standard US/UK size 3/4 inch (19 mm) mounting hole.	BP	4.00 10 @ 3.50 80 @ 3.00
B9A	SOC93WE	Chassis mount, Western European NOS. White ceramic. Centre post may be grounded for maximum shielding between pins. Fit standard US/UK size 3/4 inch (19 mm) mounting hole. Photo on request. New but store soiled appearance, hence half price.	BP	1.50 20 @ 1.00 100 @ 0.80
B9A	SOC93UKB LK	Chassis mount, McMurdo UK NOS. Black Phenolic. Bottom mount saddle style. Standard size 7/8" mounting. Click "buy on-line" then "sockets 9 pin B9A Chassis". Photo www.tave.co.uk	BP	3.20 10 @ 2.75 30 @ 2.25 100 @ 1.75
B9A	SOC93CIN	Chassis mount, Cinch USA NOS. White ceramic. Centre post may be grounded for maximum shielding between pins. Fit standard US/UK size 3/4 inch (19 mm) mounting hole. Photo www.tave.co.uk	BP	3.00 20 @ 1.80
B9A	SOC97GC	Chassis, white ceramic insulator, unskirted, gold plate bracket and gold pins. Chinese.	BP	3.00 10 @ 1.80 100 @ 1.50
B9A	SOC97N	Chassis mount Chinese, grey metal, ceramic insulator. Photo www.tave.co.uk . Click "buy on-line" then "sockets 9 pin B9A Chassis"	BP	1.20 25 @ 0.95 100 @ 0.50 500 @ 0.45

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B9A	SOC97NR	Chassis mount, Chinese. White ceramic insulating material with short screening can (ECC82 size). Sold as one unit.	BP	1.20 25 @ 0.95 100 @ 0.70 1,000 @ 0.65
B9A	SOC97NSC	Chassis mount Chinese. White ceramic insulating material with short screening can (ECC83 size). Sold as one unit. Slightly different fittings compared to 9CSC. Photo www.tave.co.uk click "buy on-line" then "sockets 9 pin B9A Chassis".	BP	1.20 25 @ 0.60 100 @ 0.48 1,000 @ 0.45
9 PIN SOCKETS - B9A PCB				
B9A	SOC9BSP	PCB mount, skirted, black plastic insulator. With screening can and skirt. Photo www.tave.co.uk . Click "buy on-line" then "sockets 9 pin B9A PCB".	BP	0.70
B9A	SOC9BSPC	PCB mount, skirted, black plastic insulator. Made with skirt so that screening can be added.	BP	0.70 500 @ 0.56
B9A	SOC9CPC	PCB mount, ceramic. West European/USA made. New but store soiled.	BP	0.40
B9A	SOC90BU	PCB mount, black material, believed made in the USA. Currently out of stock, so please enquire.		POA
B9A	SOC91GB	PCB mount, UK made. Black insulator, gold pins. When available POA.	BP	POA
B9A	SOC92G	PCB mount socket for ECC83. Gold pins and white material. Photo www.tave.co.uk/wholesale/home.asp then scroll down.	BP	1.70 100 @ 1.30
B9A	SOC94C	PCB mount socket for ECC83. Grey pins and white ceramic material. 94C is almost the same as 94N. To find photo, click www.tave.co.uk/wholesale/home.asp then scroll down.	BP	0.70 200 @ 0.60
B9A	SOC94CG	PCB mount socket for ECC83. Gold pins and white ceramic material. 94CGC is same as 94N but 94CGC has gold pins. Photo www.tave.co.uk/wholesale/home.asp then scroll down.	BP	1.70 100 @ 1.20 500 @ 1.00
B9A	SOC94N	PCB nickel pins, white plastic. Photo www.tave.co.uk/wholesale/home.asp scroll down. Offer considered for order over 500 pieces.	BP	0.70 100 @ 0.35 1,000 @ 0.32
B9A	SOC912G	PCB mount socket for ECC83. Gold pins, white ceramic material.	BP	1.70 100 @ 1.30 300 @ 1.15
B9A	SOC 912N	PCB mount, ceramic. Photo www.tave.co.uk/wholesale/home.asp then scroll down.	BP	0.73 100 @ 0.50 300 @ 0.45
B9A	SOC916PC G	PCB socket. Gold pins, white ceramic. Use alternatives, like SOC92G, SOC94CGC, SOC912G (not identical shape) material.	BP	1.40
B9A	SOC916PCN	PCB ceramic.	BP	0.90 1,000 @ 0.70
9 PIN SOCKETS - other				
B9A	Protect. B9A	B9A pin protector. Black plastic protector to keep pins on EL84, ECC83, 12AT7, etc. safe.	BP	1.00 200 @ 0.70 1,000 @ 0.55
B9A		20 New Old Stock British Mullard, Tube Pin Straighteners. New old stock, original 1960's Mullard, British made. A must have for any valve or tube collector. They are the correct device for straightening bent pins on any B9a base valve. Also useful for displaying the valves in your collection. Photo www.tave.co.uk . Click "buy on-line" then "sockets 9 pins".	BP	0.40 20 @ 0.55 300 @ 0.45
B9A	CANEL84	Screening can for EL84.	BP	300 @ POA
B9A	SOC93CIBR	Chassis mount, Cinch USA NOS. Brown phenolic. Original early manufacture, not modern copy. Phenolic. Bottom	BP	1.50 20 @ 1.00

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

Billington Export Limited

		mount saddle style. Fits standard US/UK size 3/4 inch (19mm) mounting hole. Photo on request. New but store soiled appearance, hence half price.		100 @ 0.80
B9A CAN	CAN SHIELD B9A MIX	B9A screening can, tube shield. Most fit ECC83, 12AT7. Some fit EL84 or other sizes. Used but clean and guaranteed. UK or USA manufacture. Some silver coated, some black coated metal. Spring inside. At this price no "picking and choosing". Sold as they come. Minimum order 20 pieces, for this item.	BP	20 @ 0.70 100 @ 0.50
B9A CAN	CAN SHIELD B9AB	B9A screening can, tube shield, fits ECC83, 12AT7. Used but clean and guaranteed. UK or USA manufacture. Black coated metal. Bronze spring inside. Printed with NATO number.	BP	1.80 50 @ 1.20
B9A CAN	CAN SHIELD B9AS	B9A screening can, tube shield, fits ECC83, 12AT7. Used but clean and guaranteed. UK or USA manufacture. Silver coloured metal. Spring inside.	BP	1.80 50 @ 1.20 500 @ 1.00
B9D	SOC913CR	Chassis mount. White ceramic, metal clip. Fits PL519, 7868, etc.	BP	0.80 300 @ 0.50
B9D MAGNOVAL	SOC95D	PCB mount, ceramic. Yugoslavian.	BP	1.44
B9D MAGNOVAL	SOC915PC	PCB mount, magnoval for PL519. White shiny glazed high temperature material.	BP	1.40 200 @ 1.00
B9D MAGNOVAL	SOC915PC G	PCB mount magnoval socket for PL519 and 7868. Chinese, white shiny glazed high temperature material. Gold pins.	BP	2.00 50 @ 1.30 300 @ 1.25
B9G	SOC9EF50	Chassis mount, white ceramic material, Chinese manufacture. For use with KT67, EF50. Photo www.tave.co.uk click "buy on-line" then "sockets" then "9" pin.	BP	3.10 200 @ 2.00
E2E	SOC9E2E	Phosphor bronze contacts. Handmade in UK exclusively for Billington. Maybe 1 or 2 pieces. We no longer make this socket.	BP	15.00
E2E	SOC9E2EC	Chinese new item. Fits F2A and E2E.	BP	5.00 5 @ 4.00 50 @ 3.50
	SOC86111	Wire ended universal. Fits all wire ended. Ceramic moulded PCB. Fits wire ended flying lead tubes. NOS West European made. This is a 9 pin socket, but would also suit. 8 pin, 7 pin, 5 pin or other wire ended sockets. Wire ended types in our stock include CV4033, CV4034, CV4051, CV4052, CV4056, DF61, 5977, 5744, 6112, EF72, EF73, CV2000, CV4002, 5644, VX8167. Please note these sockets are "push to fit". They are not spring-loaded. Refer to photograph on our website.	BP	2.50 100 @ 0.60 400 @ 0.50
10 PIN SOCKETS				
EL152	SOC 10EL152	New ceramic socket for EL152, EL153, FK152, FL153.	BP	8.50 10 @ 7.30 40 @ 6.50
EL156	SOC10YC	Made in China.	BP	3.20 200 @ 2.40
11 PIN SOCKETS				
11 PIN	SOC11BRC	Chassis mount, McMurdo UK manufacture. Brown plastic insulator, grey metal flange.	BP	1.00
11 PIN	SOC11BLKC	Chassis mount, NOS, believed to be UK or USA made. Black material might be amphenol. Silver coloured flange.	BP	1.00 200 @ 0.80
12 PIN SOCKETS				
12 PIN	SOC12CL	Chassis mount. Black Amphenol. Free floating mount For DG7-32. Comes with a kit of pins. Good quality	Orig Bag	3.20 100 @ 2.00

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Billington Export Limited

		UK/USA. NOS. In sealed original bag. Refer to photo on our website before ordering.		
12 PIN	SOC12CL1X	Chassis mount. For DG7-32. Good quality UK/USA made.	BP	3.20 20 @ 2.50
COMPACTRON	SOC12A	Compactron, Chassis mount, skirted, PTFE material, Ediswan UK (Duodecar) 12 pin tube socket. Fits 6C10 6LF6 6KD6 etc.	RED OB	1.50 80 @ 1.00
COMPACTRON	SOC12ARP	Compactron, PCB mount, white plastic. Fits 6LF6, 6KD6.	BP	1.00
COMPACTRON	SOC12BPCB	Compactron, PCB mount, Fits 6KD6, 6D10.	BP	1.50 80 @ 1.00
COMPACTRON	SOC12BCH	Sold out.	BP	POA
12 PIN 3RP1	SOC12BS	Sold out.	BP	POA
12 PIN 3RP1	SOC12BXYZ	B12G socket for 3RP1, DG7-32 2BP1 etc. Chassis mount, mixed constructions, unused but store soiled appearance, believed UK or USA made.	BP	2.00 10 @ 1.40
12 PIN TT100	SOC 12B	GBP7.50 wholesale price, if any available.	BP	POA
17 PIN SOCKETS				
17 PIN	SOCB17A	Chassis mount. B17A socket, very rare 17 pin socket for nixie tubes. Other suppliers call this B17, 35709, HFD 13045, VH26. Pin diameter 1.02mm, pin circle 18.2mm, pin spacing 20 degrees.	WB	7.20 10 @ 6.50
TOP CAPS				
807	TOP807	Ceramic, Chinese manufacture, recent production. Used for 2C34, 807, DA42, CV57, TT21, U19, etc, ie 9mm diameter. Wholesale price, if available is GBP2.00.	BP	POA
807	TOP807	Ediswan UK manufacture, white ceramic. When available.	BP	POA
811	TOP805	Old ref. TC805. Chinese, ceramic, current production, for 805, 811A, 813, and similar large items.	BP	1.00
811	TOP805	For 805, 811A and 813 - when available	BP	POA
TOP CAP	TOP CAP TOP12E1A	Top cap/anode cap for 12E1, 5B254M, 6J7, EF37, PL519. 6mm diameter. Made by Bulgin, UK NOS. Attractive red colour. Photo on request.		5.00 25 @ 4.00
TOP CAP	TOP12E1CC	Chinese ceramic. Nice looking item. Fits 6J7, 12E1, 5B-254M, EF37A, EL504, EL519, PL504, PL519 and 6K8. New ceramic insulator. 6mm diameter.	BP	POA
TOP CAP	TOP12E1A Topcap/ anode cap	Top cap/anode cap for 12E1, 5B254M, 6J7, EF37, PL519. Diameter & colour TBA. Made in UK/ USA by Billington or Bulgin. Photo on request.	BP	5.00 25 @ 4.00
TOP CAP	TOP12E1A Topcap/ anode cap	Chinese ceramic. Nice looking item. Fits 6J7, 12E1, 5B-254M, EF37A, EL504, EL519, PL504, PL519 and 6K8. New ceramic insulator. 6mm diameter.	BP	POA
TOP CAP	TOP12E1BR - Topcap/ anode cap	Top cap/anode cap for 12E1, 5B254M, 6J7, EF37, PL519 6mm diameter. Bulgin, made in USA/ UK. Suits solder or screw fixing solder. 6mm diameter metalwork. The cap itself is 40mm diameter. 20 pieces are red material 20 pieces are brown material and 20 are chrome coloured metal. We sell these all the time, please enquire for latest actual stock quantities.	BP	3.00 60 @ 2.30
SPRING RETAINERS				
VALVE RET	1	Valve retainer or spring retainer for EL34, 6L6GC ETC. Made in USA or West Europe. All metal construction. Holds valve in upside down equipment. For EL34, 6L6GC etc. Photo www.tave.co.uk/wholesale/product.asp?ID=2931	BP	4.00 300 @ 2.75
VALVE RET	1B	Valve/ tube spring retainer. Holds valve in upside down equipment. UK made. NOS. Valve retainer string and ceramic for small shoulder tube like GZ34, 6SN7GT,	OB	4.00 4 @ 3.34 120 @ 2.75

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		6V6GT. The carton is printed "7". String and metal spring.		
VALVE RET	3	Holds valve in upside down equipment. Valve retainer string and ceramic for small shoulder tube like 6J5G. UK made. NOS. Photo on request. Make near offer.	GVT	4.00 120 @ 2.50
VALVE RET	3A	Valve/ tube spring retainer. Holds valve in upside down equipment. UK made. NOS. Valve retainer string and ceramic for small shoulder tube like 6J7G. EF37 EF39. The carton is printed "159". There is a black top grommet.	BP	4.00 4 @ 3.34 120 @ 2.75
VALVE RET	3B	Valve/ tube spring retainer. Holds valve in upside down equipment. UK made. NOS. Valve retainer string and ceramic for small shoulder tube like 6J7G. The carton is printed "161". There is a black top grommet.	BP	4.00 4 @ 3.34 120 @ 2.75
VALVE RET	6	Holds EA50 valve UK or USA. Used, guaranteed.	GVT	2.00 30 @ 1.75
VALVE RET	7	Holds valve in upside down equipment. Valve retainer string & ceramic for small shoulder tube like 6J5G. UK made NOS. Photo on request. Make near offer.	GVT	2.00 10 @ 1.75 120 @ 1.50
VALVE RET	8	Valve retainer or spring retainer for KT88, 3B28 etc. Made in USA or West Europe. Strong, ceramic and metal construction. Holds valve in upside down equipment. For KT88, 3B28 etc. Photo www.tave.co.uk/wholesale/product.asp?ID=2934	BP	5.50 200 @ 3.75
VALVE RET	8A	Valve retainer or spring retainer for KT88, KT66, 6080 etc. Chassis mount only. Made in UK. String, ceramic and metal construction. Holds valve in upside down equipment. The carton is printed "quote 16/C.	OB	5.50 3 @ 4.40 200 @ 3.50
VALVE RET	C1	Chinese. Holds valve in upside down equipment. For GZ34. All same prices.	BP	1.00 100 @ 0.75
VALVE RET	C2	Chinese. Holds valve in upside down equipment. For EL34, 6L6GT 4. All the same prices.	BP	1.00 200 @ 0.75
VALVE RET	C3	Chinese. Holds valve in upside down equipment. Valve retainer for KT88 etc.	GVT	2.00 90 @ 1.75
TUNERS				
QUAD FM2 TUNER		Mains powered stereo valve tuner. Repaired and aligned. Can be used with any Quad equipment [unlike FM1 which need power from the amplifier].		125.00

**WE REGRET THAT THE OVER GBP 1,500 DISCOUNT APPLIES ONLY FOR ORDERS PAID FOR OR SHIPPED
WITHIN 6 WEEKS OF THE ORDER STARTING.
WE ARE PREPARED TO BE FLEXIBLE ON THIS POINT BY ARRANGEMENT.**

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Billington Export Limited

BILLINGTON GOLD ITEMS

Long known as specialists in rare tube brands, Billington Export provides a line of premium-grade valves to fill the increasing demand for hard-to-find tubes! BILLINGTON GOLD valves are selected from the best worldwide manufacturers with emphasis on the highest audio quality and product reliability. They are individually tested within very tight limits and inspected for superior physical conformity and mechanical construction. Guaranteed. They have a good reputation worldwide, especially amongst Asian audiophiles. Supplied in an attractive blue/red/gold original box

ADDITIONAL TESTING

Should you require specialised testing we are happy to provide this service, prices as below:

MATCHED SET TESTING

Available on request. We can test new valves into pairs, quartets, octets etc. This test involves all valves in the match being within 10 percent of one another on anode current and gm.

Matched pairs: GBP2.70 per anode TRADE, or GBP4.00 per anode RETAIL.

Matched quads, triplets, sextet, etc: GBP5.00 per anode TRADE, or GBP7.50 per anode RETAIL.

Matched pair testing is "subject to availability". To make 1 match pair we need 10 or 20 tubes of the same brand & appearance. If we have, for example, 5 of one brand, the chance of a match pair from 5 pieces is very unlikely.

STOCKLIST

We do not have all of our stock listed in our catalogue, therefore please visit our website at www.tave.co.uk and find the free download called **Stocklist** on the bottom left hand side.

The list is not 100% accurate as we hold so much stock, but it gives you a good idea. Quantities vary from a single piece to many thousands, depending on the type.

Please contact our sales office who will be very happy to supply details of quantities, brands and prices.

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Billington Export Limited

IMPORTANT – Valve / Tube Collection

If you wish to collect valves or tubes from us, please order them 2 or 3 days in advance, using this order form.

That will give us time to collect them from one of our buildings and undertake necessary testing, boxes, etc.

We like to be friendly and helpful but we are a very busy export warehouse, not a “walk around” retail shop, thank you.

Name: _____

Date: _____

Address: _____

Qty	Valve Number	Brand / Manufacturer	Box Type			Condition		Office Use Only
			Orig Box	GVT Box	No Box	New	Used	

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Billington Export Limited

IMPORTANT - Please Read

PRICE MATCHING

Our prices are extremely competitive. For orders over GBP400 we will try to match any price from our rivals.

For price matching, prices must be from a named dealer and their valves/tubes must be of the same quality, have the same guarantee and the valve must actually be in their stock at that price.

"Part time dealers", who have 2 or 3 pieces of mixed appearance, do not count for price matching. Please contact us to discuss.

RESERVED ORDERS

We do not usually "reserve" goods. Our policy is that reservation of stock is done on a case-by-case basis. We sometimes reserve goods for a maximum of 6 weeks. After 6 weeks we will write and expect your confirmation of order and payment or shipping instructions within two weeks. Failing this, your goods may be returned to stock and offered for sale elsewhere.

DELIVERY

Unless stated 'available' all items are in stock. Please allow 3 working days from receipt of your order for despatch. We need this time to collect goods from our other premises and arrange testing, etc.

Please allow for any delays by post, customs, etc. Despatch is usually quicker than 7 days and we will try to help if you have urgent requirements.

GENERAL INFORMATION

We have a constantly moving stock and new items are always becoming available. We specialise in European and American manufactured types, including obsolete. We export all over the world, therefore we are familiar with the requirements of audio customers regarding brands etc. Please advise us of your requirements, we will try to help.

ALL ITEMS ARE OFFERED SUBJECT TO PRIOR SALE.

PLEASE NOTE:

Some details may be subject to change due to the market fluctuation. Please ask our Sales staff for an up-to-date stock position and full quotation.

ALL ITEMS...

Are accurately described regarding country of manufacture etc.
Are checked to ensure uniform and clean appearance throughout the batch, unless otherwise stated.
Are NOS unless stated as Used or Grade One. Except 'new' items made in China, Russia or Slovakia.

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Billington Export Limited

COOLING OFF PERIOD – Return of Non Faulty Goods

Return of non-faulty goods within 14 days of receipt. (Only for private consumers).

The following 14 day 'cooling off period' only applies if you are a private consumer, not a trader.

A trader means someone who is buying tubes for purposes relating to your trade, business, craft or profession".

You have a 14 calendar day cooling off period to return a valve from the date you received it, to be eligible for a refund.

Your valve must be unused and returned in the same condition that you received it. Your valve must be in the original packaging. Your valve needs to have the receipt or proof of purchase. A full refund will be provided.

You will be responsible for paying for your own carriage costs for returning your item.

If you wish to use this 14 day cancellation period, please contact us for information. A "standard template for cancellation" will be made available from our website soon.

COOLING OFF PERIOD – Return of Faulty Goods

After 14 days, in the unlikely event of faulty goods you may return them under the guarantee mentioned elsewhere in this catalogue. Valves that are tested, at our facility, as faulty, will be replaced like for like. In the event that a suitable replacement is not available, an alternative or refund will be provided.

REFUNDS

Once a refund is authorised as per conditions stated above, we will refund your debit/credit card (your original method of payment). We will issue the credit within two working days. Depending on your method of payment, you should receive the credit soon after.

The costs of the original postage will be refunded but the consumer will be required to fund the cost of the return postage.

During 35 years of trading we've had very few items returned, and thousands of satisfied clients.

STATUTORY RIGHTS

Statutory rights etc. Guarantees etc referred else to elsewhere in this document are in addition to, and does not affect, your legal rights in relation to the goods that are faulty or not as described. Advice about your legal rights is available from your local Citizens' Advice Bureau or Trading Standards office. For more information about cooling off periods etc, please refer to the Terms and Conditions section on our website.

GUARANTEE

For a few items in this catalogue, we incorrectly use the word "warranty". The correct word is actually "guarantee". For more information about our guarantee terms and conditions, please refer to the paragraph below, **RETURNS**.

UPDATES

This catalogue consists of over 5,000 items. We go to a lot of time and trouble to keep this catalogue up to-date, however, it's impossible to be 100 percent perfect as we buy and sell valves and tubes every day.

Most of the items we sell are 40, 50 or 60 years old and no longer made today. If the catalogue says "POA" or words such as "when available", this means sometimes we have stock and sometimes we do not. As stated at the end of each catalogue page, "please enquire for current quotation". The best thing to do is to email us.

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Billington Export Limited

TECHNICAL INFORMATION PROVIDED IN THE CATALOGUE

We will advise where possible, but data etc provided in the catalogue assumes that you are an EXPERIENCED ELECTRONIC TECHNICIAN.

Please note that several different people have provided us technical data (mainly more than 10 years ago). You are free to use this data as a free gift, in good faith, if you are an EXPERIENCED ELECTRONIC TECHNICIAN, to study and aid development of YOUR OWN IDEAS.

Data provided in the catalogue is believed to be good quality and correct but we don't accept responsibility for the results.

The data you see in the catalogue is therefore intended to be a GUIDE ONLY - not step-by-step instructions. We try to be helpful but advice, available by email only, is limited. We cannot usually advise about valve data by telephone.

IMPORTANT – Please Read

This is a **WHOLESALE** catalogue.

All items are in GBP (British Pounds Sterling), unless stated otherwise.
Orders over GBP240 attract WHOLESALE prices.

HOW TO ORDER

The best way to order is to email us a list of your requirements.
Our second preference is fax or phone. We will “talk you through” the process. You will talk to a helpful person in our small, **specialist** office, not a computer or call centre!
On average parcel despatch is 7 days after order.
If your needs are genuinely urgent, please let us know, we always try to help.
We have 1,000,000 tubes and valves. Please enquire re any type not listed.

MINIMUM ORDERS

Our usual minimum order is GBP 50. We will try to accommodate requests for orders under GBP50, but over GBP 20 plus VAT plus post, providing:

- The order request is completed in no more than three short communications by phone or email.
- The order isn't complicated in terms of testing, or other finishing.
- Delivery maybe up to 10 days.

Orders over GBP50 welcome and detailed testing etc can be arranged.
Orders, between GBP20 and GBP50. Please contact us, and we will try to help. See above

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Billington Export Limited

PLEASE ADD 50 PERCENT TO ORDERS UNDER GBP240.

To qualify for the WHOLESALE prices in this catalogue you must spend GBP240 + VAT + post.

POSTAGE & PACKAGING

Unless stated 'available' all items are in stock. Please allow 7 days from receipt of your order, for despatch. We need this time to collect goods from our other premises and arrange testing, etc.

Please allow for any delays by post, customs, etc.
Despatch is usually quicker than 7 days and we will try to help if you have urgent requirements.

We are happy to ship your order to almost anywhere on this planet. Other planets on request!

UK

GBP 5.00 minimum. Postage and packaging.
We will be pleased to quote postage etc on receipt of your final order requirements.
GBP 15.00 FOR 24 HOUR COURIER SERVICE IF REQUIRED.

EXPORT

GBP 5.00 minimum. Postage and packaging are charged at cost, we will be pleased to quote postage cost on receipt of your final order requirements.
The "Signed on Delivery Service", which is an extra GBP 4.00, is now compulsory for all overseas parcels.
COURIER SERVICE is available if required.

VAT

UK - please add VAT to all prices shown in this catalogue. Currently 20 percent.

EEC - All EEC sales will be zero rated for UK VAT but may incur import charges and/or VAT when entering the destination country.
Please do not add VAT when ordering from us because you may be charged VAT and duty when the parcel reaches customs in your country.

METHODS OF PAYMENT

Payment may be made by Bank wire transfer TT, cheque in GBP Sterling with UK clearing facilities, credit card, debit card or PayPal with a fee.

VISA/MASTERCARD welcome.
SWITCH and DELTA debit cards accepted - no administration charge.
You can pay by credit card, using the PayPal website, even if you don't have a PayPal account. Please contact our sales office for details

We will advise customers of our bank details.
SWITCH and DELTA debit cards accepted - no administration charge.

IF PAYING BY BANK WIRE TRANSFER TT– admin charge of 10.00 GBP.
We will advise customers of our bank details.

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Billington Export Limited

RETURNS

If you wish to return any items to us for any reason, please contact us for returns authorisation.

All items are guaranteed 90 days from dispatch unless otherwise stated. A few items, eg Billington Gold, are guaranteed for 12 months. Your statutory rights are unaffected.

Please test your purchases upon receipt, even if the items are for future use. The guarantee runs for 90 days, or 12 months (as specified) from the date of dispatch. For the guarantee to be valid, we (Billington Export Ltd) must be in receipt of the items within the specified guarantee period. The guarantee does not run from the date you plug the items into your equipment.

DEALERS

We suggest you test all valves & tubes on receipt. Our guarantee does not extend beyond you, and ends when you resell the item.

CURRENCY

This catalogue and all our lists, quotes, websites etc are in GBP - British Pounds Sterling, unless stated otherwise.

Visitors to our premises by appointment only please.

Most tubes & valves in our warehouse are NOT tested. Testing is done after a definite order is placed.

We are a wholesaler, not a retail shop. We like to help, but please understand.

If you want to collect goods from our premises, please state specific items required 3 working days** before your visit, so that we can collect items from one of our buildings and carry out testing etc.

Sometimes we can improve on the 3 days mentioned above, if it's agreed in advance, by email.

**Saturday and Sunday aren't working days for us.

We are one of the largest valve dealers in Europe, holding 1 million valves stored at three sites totalling around 10,000 sq. ft. We know you will understand that in order to keep our mail order service fast and efficient we cannot accept unscheduled visitors.

This catalogue lists our most popular lines but is not a complete listing of our stock.

If you cannot find the item you want listed please ask as we may have it in stock.

Your co-operation is greatly appreciated. Thank you.

Our aim is always to provide a friendly, helpful and honest service.

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