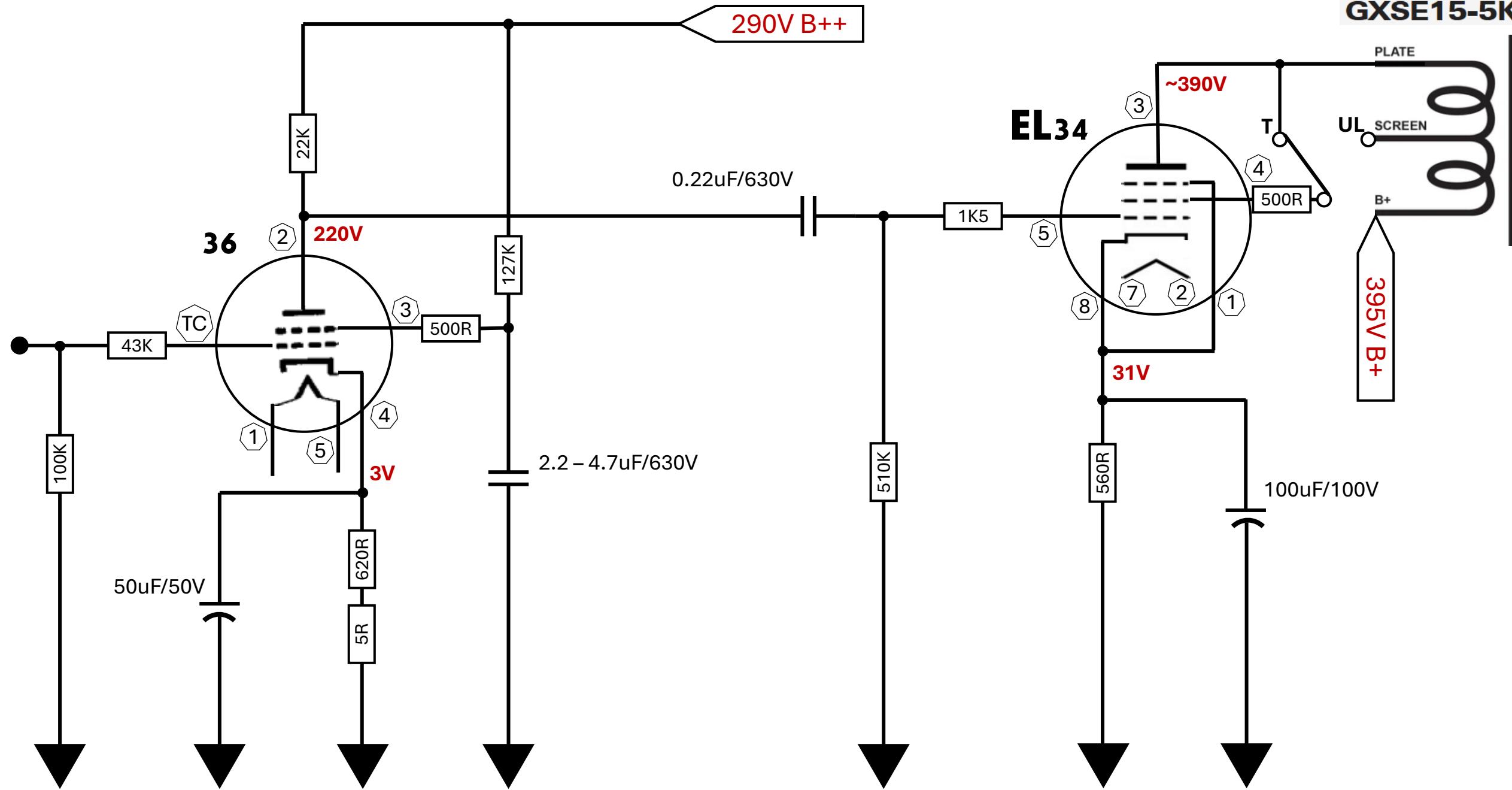
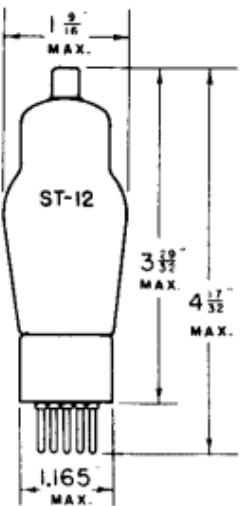


3634 Amplifier

36 Pre and EL34 Power

GXSE15-5K

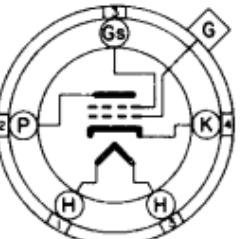


TUNG-SOL**TETRODE AMPLIFIER**

UNI POTENTIAL CATHODE

HEATER
6.3 VOLTS 0.3 AMPERE
AC OR DC

GLASS BULB

5E
BOTTOM VIEW

SMALL 5 PIN BASE

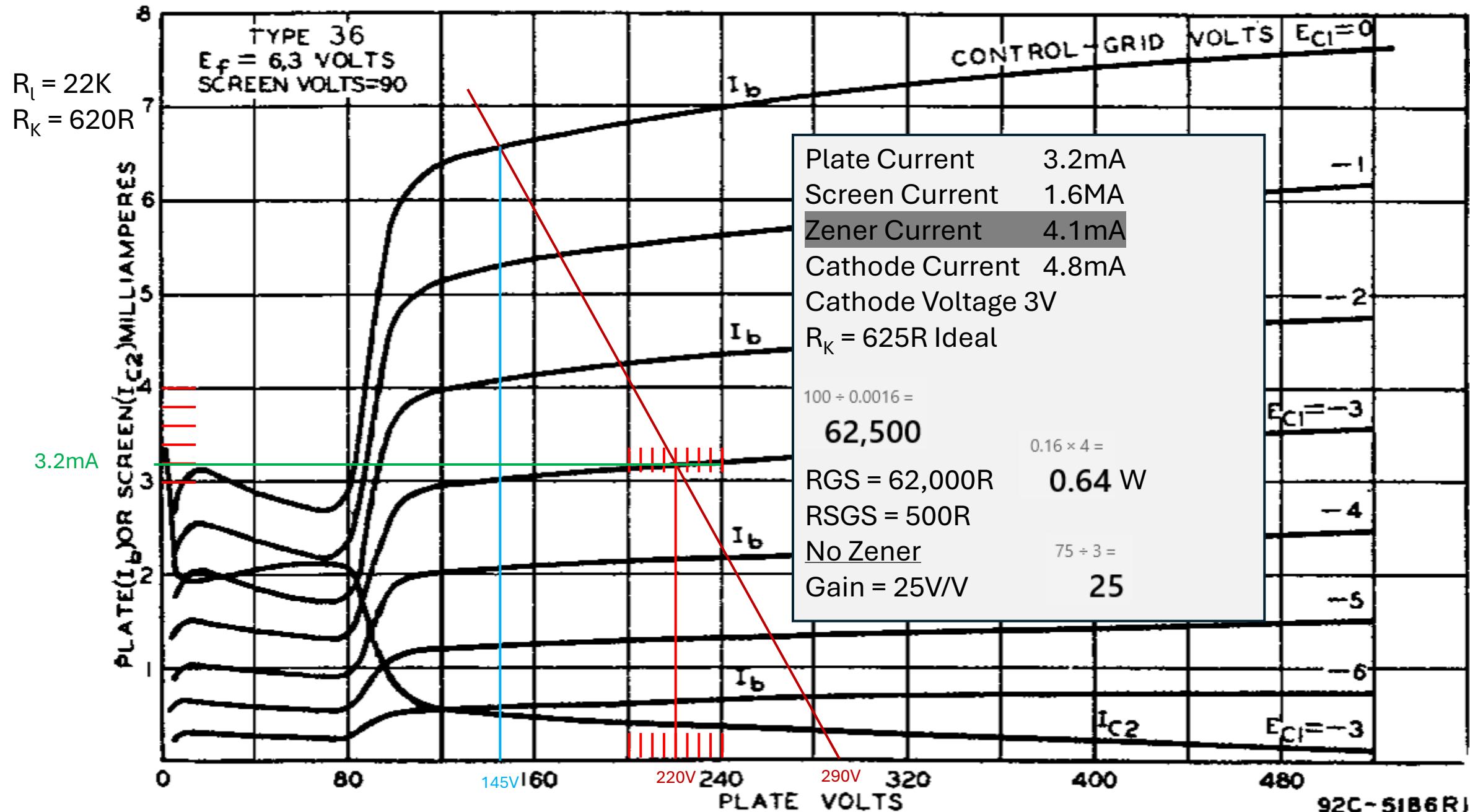
THE TUNG-SOL 36 IS DESIGNED FOR USE AS AN RF AMPLIFIER OR DETECTOR.

OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A AMPLIFIER

PLATE VOLTAGE	100	135	180	250 MAX.	VOLTS
SCREEN VOLTAGE	55	67.5	90 MAX.	90 MAX.	VOLTS
CONTROL GRID VOLTAGE	-1.5	-1.5	-3	-3	VOLTS
PLATE CURRENT	1.8	2.8	3.1	3.2	MA.
SCREEN CURRENT	-	-	-	1.7 MAX.	MA.
PLATE RESISTANCE	0.55	0.475	0.50	0.55	MEGOHM
TRANSCONDUCTANCE	850	1000	1050	1080	MHMOS
AMPLIFICATION FACTOR	470	475	525	595	

AVERAGE PLATE CHARACTERISTICS



Select a Tube: EL34

[Print this Graph!](#)[Check full list of available tubes](#)

- Ultralinear
- Pentode
- Triode

PP/SE:

 PP SE

Operating mode:

390

Grid Bias Voltage (V):
-31.26

V+ (V):

Iq(mA):
56

at max g1:13.39

Quiescent Operating Point:

Vq(V):
390.00

Output Power (W):

at g1=0:13.39
at class A/A2:7.84
at headroom:12.96

Load (Ohm):

- Resistive
- Reactive

5000

Next stage AC Impedance (Ohm):

HD%:
2nd:8.22 3rd:8.39 4th:3.10
THD:12.15

Screen Voltage (V):

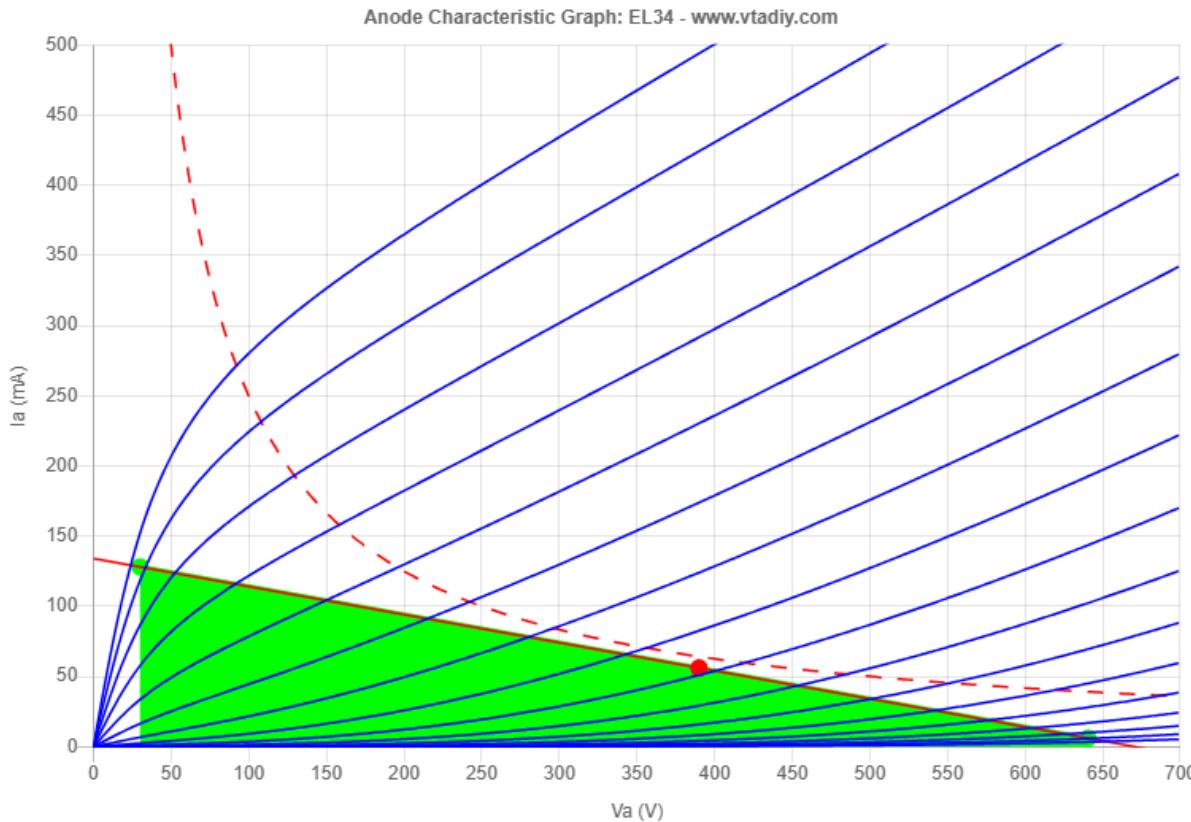
250

UltraLinear tap (%):

40

Out. headroom (+/-V):

360



$$31.26 \div 0.056 =$$

558.21428571428571428571428571429

$$31.26 \times 0.056 =$$

1.75056



RS010560R0FE73
RES 560 OHM 10W 1% WW AXIAL
Vishay Dale

$$1.75056 \times 4 =$$

7.00224

Select a Tube: EL34

Print this Graph!

Check full list of available tubes

Operating mode:

- Ultralinear
- Pentode
- Triode

PP/SE:

 PP SE

V+ (V):

390

Grid Bias Voltage (V):

-31.26

Quiescent Operating Point:

Iq(mA):

56

Output Power (W):

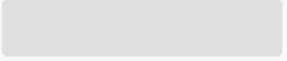
at max g1:7.31
at g1=0:7.31
at class A/A2:7.84
at headroom:7.29

Load (Ohm):

- Resistive
- Reactive

5000

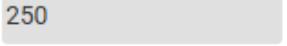
Next stage AC Impedance (Ohm):



HD%:

2nd:8.74 3rd:0.63 4th:0.11
THD:8.76

Screen Voltage (V):

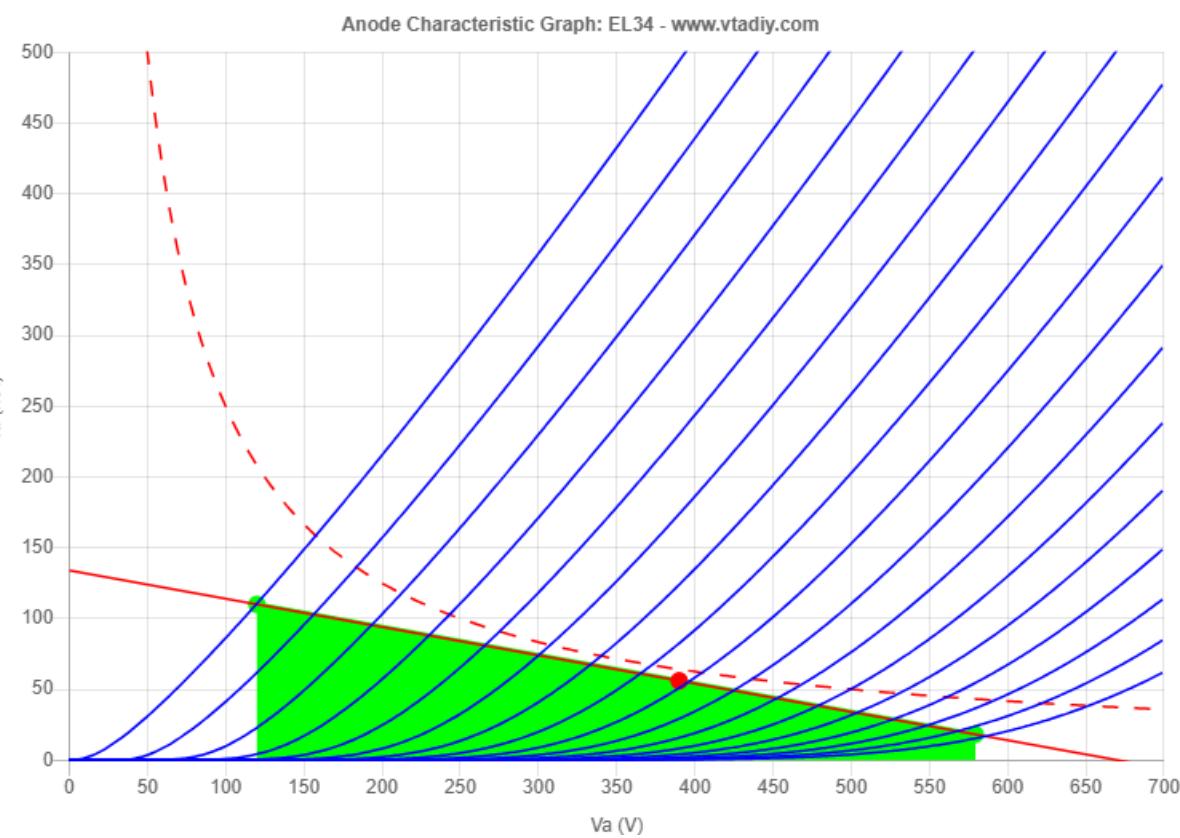


40

Out. headroom (+/-V):



270



$$31.26 \div 0.056 =$$

558.21428571428571428571428571429

$$31.26 \times 0.056 =$$

1.75056



RS010560R0FE73
RES 560 OHM 10W 1% WW AXIAL
Vishay Dale

$$1.75056 \times 4 =$$

7.00224

OUTPUT PENTODE

*Output pentode rated for 25W anode dissipation,
intended for use in a.c. mains operated equipment.*

EL34**HEATER**

V_h	6.3	V
I_h	1.5	A

CAPACITANCES

C_{out}	8.4	pF
C_{in}	15.2	pF
C_{a-g1}	<1.0	pF
C_{g1-h}	<1.0	pF
C_{h-k}	11	pF

CHARACTERISTICS**Pentode connection**

V_a	250	V
V_{g2}	250	V
V_{g3}	0	V
I_a	100	mA
I_{g2}	15	mA
V_{g1}	-12.2	V
g_m	11	mA/V
r_a	15	kΩ
μ_{g1-g2}	11	
$V_{g1\ max.}$ ($I_{g1} = +0.3\ \mu A$)	-1.3	V

**Triode connection
(g_2 connected to a)**

V_a	250	V
I_a	70	mA
V_{g1}	-15.5	V
g_m	11.5	mA/V
r_a	910	Ω
μ	10.5	

**OPERATING CONDITIONS AS SINGLE VALVE CLASS "A"
AMPLIFIER****Pentode connection**

V_a	250	V
V_{g2}	250	V
V_{g3}	0	V
R_k	106	Ω
R_a	2.0	kΩ
I_a	100	mA
I_{g2}	15	mA
$V_{in(r.m.s.)}$ ($P_{out} = 50\ mW$)	500	mV
$V_{in(r.m.s.)}$	8.0	V
* P_{out}	11	W
* D_{tot}	10	%

DESIGN CENTRE RATINGS

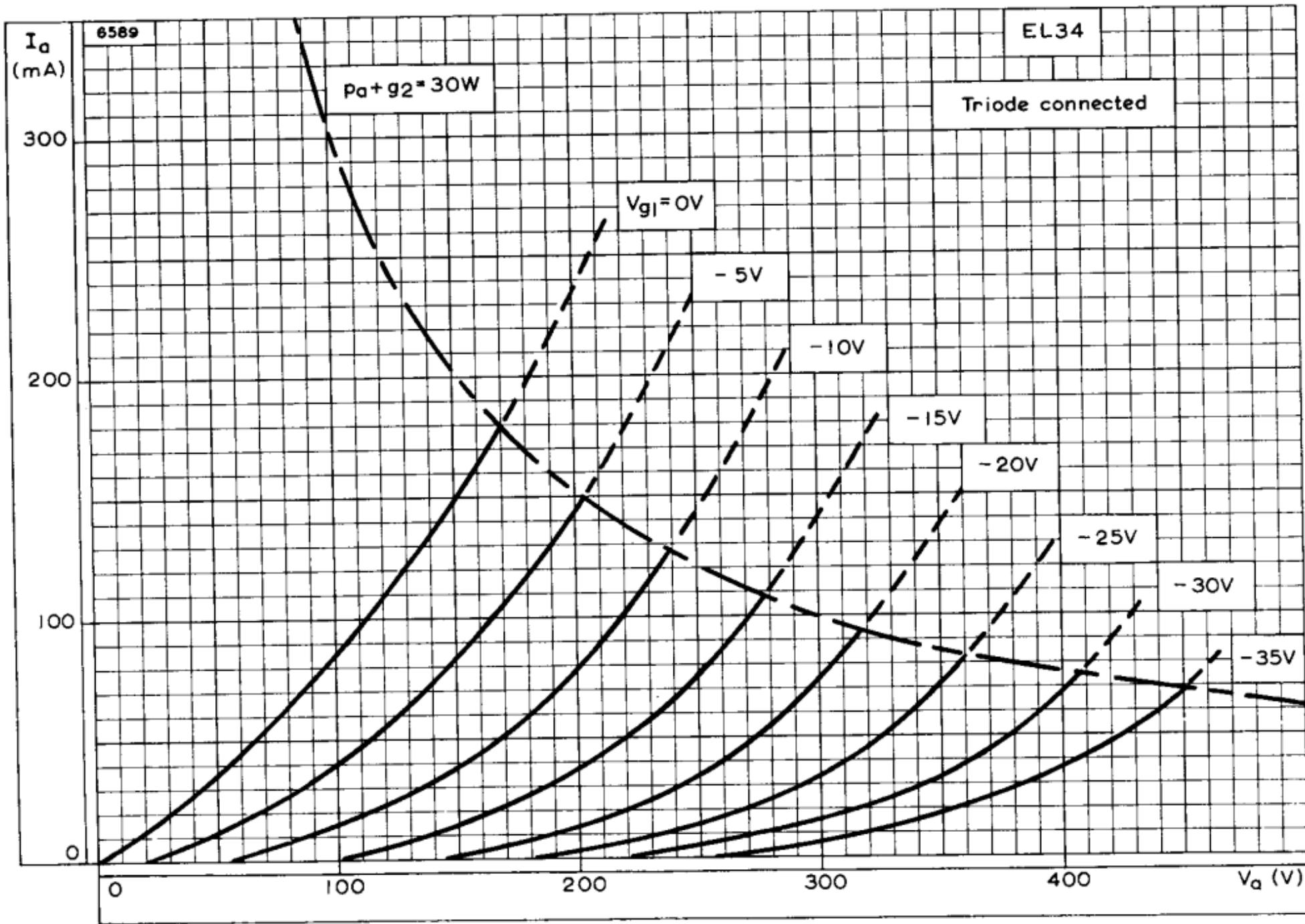
$V_{a(b)\ max.}$	2.0	kV
$V_a\ max.$	800	V
$P_a\ max.$	25	W
$V_{g2(b)\ max.}$	800	V
$V_{g2}\ max.$	500	V
$P_{g2}\ max.$	8.0	W
$I_k\ max.$	150	mA
$R_{g1-k}\ max.$	500	kΩ
$V_{h-k}\ max.$	100	V
$R_{h-k}\ max.$	20	kΩ

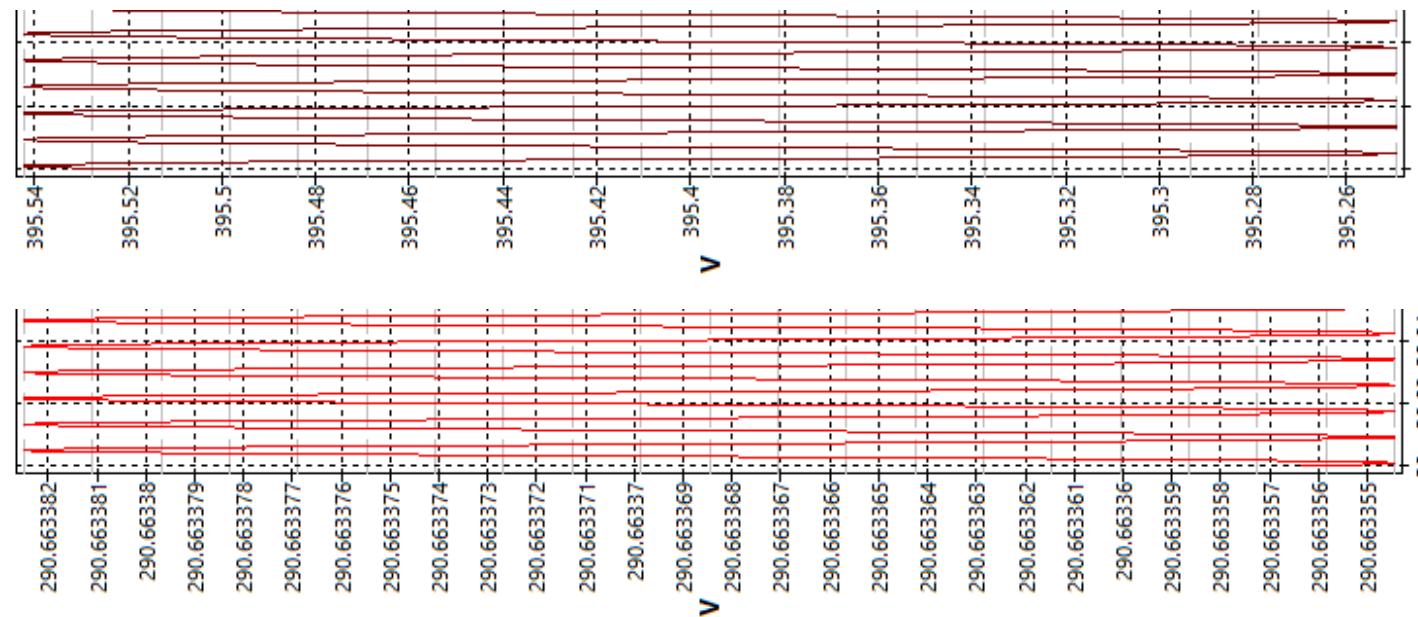
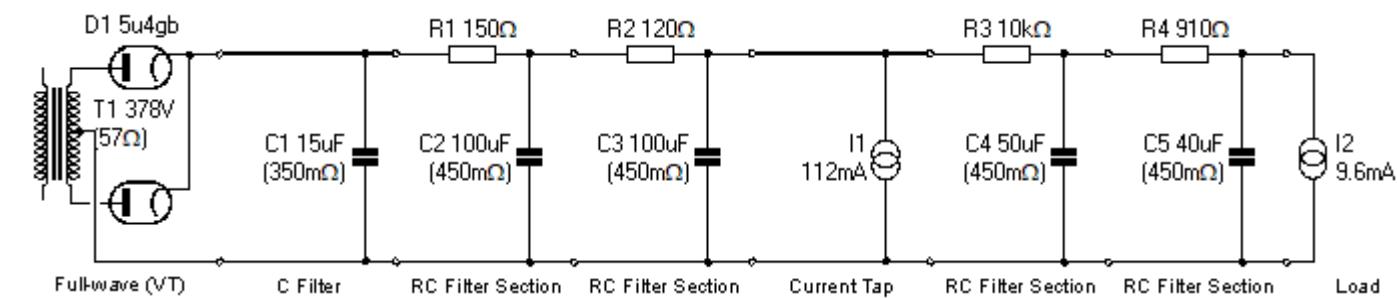
Triode connected

$V_a\ max.$	600	V
$P_{a+g2}\ max.$ ($V_a = 500V$)	30	W
$P_{a+g2}\ max.$ ($V_a = 600V$)	15	W

EL34

OUTPUT PENTODE





EDCOR ELECTRONICS CORPORATION

XPWR233 - 720V@300mA CT w/55V bias, 6.3V@5A CT, & 5V@4A

\$169.29 USD

Shipping calculated at checkout

SKU: XPWR233-100

Primary (p)

Voltage	①	100V
Impedance	①	0.238H
Operational	①	60Hz.
Frequency		

Current	①	2.809A
DC Resistance	①	0.784Ω
Inductance	①	0.238H

Secondary

Tube Voltage	①	720V
Other Voltage(s)	①	6.3V and 5V
Bias Voltage	①	55V
Unloaded Voltage(s)	①	755.801V, 6.63V, and 4.972V

Current(s)	①	0.3A, 5A, and 4A
DC Resistance	①	57.272Ω, 0.035Ω, and 0.027Ω
Inductance (Ls)	①	0.238H

$$755.8 \div 2 =$$

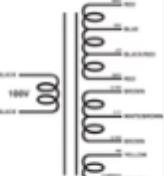
377.9

	Product Details	Quantity	Availability	Unit Price	Extended Price
1	 RSD-560RCT-ND RS010560R0FE73 Vishay Dale RES 560 OHM 10W 1% WW AXIAL EL34 RK	2	Immediate	4.14000	\$8.28
2	 BC4529CT-ND MBE04140C2202FC100 Vishay Beyschlag/Draloric/BC Components RES 22K OHM 1% 1W AXIAL EL34 36 Plate	2	Immediate	0.66000	\$1.32
3	 56-PR01000106202JR500CT-ND PR01000106202JR500 Vishay Beyschlag/Draloric/BC Components RES 62K OHM 5% 1W AXIAL EL34 RSC	2	Immediate	0.25000	\$0.50
4	 541-CPF1500R00FKE14-ND CPF1500R00FKE14 Vishay Dale RES 500 OHM 1% 1W AXIAL EL34 Screen Grid Stopper	2	Immediate	0.99000	\$1.98
5	 56-PR01000104302JR500CT-ND PR01000104302JR500 Vishay Beyschlag/Draloric/BC Components RES 43K OHM 5% 1W AXIAL 36 Grid Stopper	2	Immediate	0.25000	\$0.50
6	 BC4688CT-ND PR01000101003JA500 Vishay Beyschlag/Draloric/BC Components RES 100K OHM 5% 1W AXIAL 36 Grid Leak	10	Immediate	0.15200	\$1.52

7	 1928-DCP4G054006JD2KSSD-ND DCP4G054006JD2KSSD WIMA CAP FILM 40UF 10% 400VDC RADIAL EL34 PSU	1	Immediate	11.82000	\$11.82
8	 RSC-10KRCT-ND RS00510K00FE73 Vishay Dale RES 10K OHM 5W 1% WW AXIAL EL34 PSU	1	Immediate	3.21000	\$3.21
9	 56-PR02000209100JR500CT-ND PR02000209100JR500 Vishay Beyschlag/Draloric/BC Components RES 910 OHM 5% 2W AXIAL EL34 PSU	1	Immediate	0.38000	\$0.38
10	 56-PR01000105103JR500CT-ND PR01000105103JR500 Vishay Beyschlag/Draloric/BC Components RES 510K OHM 5% 1W AXIAL EL34 Grid Leak	2	Immediate	0.25000	\$0.50
11	 541-RS010150R0FE12-ND RS010150R0FE12 Vishay Dale RS-10 150 1% E12 E3 EL34 PSU	1	Immediate	3.53000	\$3.53
12	 541-RS010120R0FS73CT-ND RS010120R0FS73 Vishay Dale RES 120 OHM 10W 1% WW AXIAL EL34 PSU	1	Immediate	5.07000	\$5.07

Cart

PRODUCT

PRODUCT	QUANTITY	TOTAL
 GXSE15-5K - 15W, 5K Ohms single ended guitar tube output transformer. 8 Ω \$89.16	- 2 + Remove	\$178.32
 XPWR233 - 720V@300mA CT w/55V bias, 6.3V@5A CT, & 5V@4A 100Vrms, 50/60Hz. \$169.29	- 1 + Remove	\$169.29

Certificate of Compliance (CoC)

[Add a PO Number](#)

Total

\$347.61 USD

Shipping & taxes calculated at checkout

If you have a tax-exempt certificate, please email it to sales@edcorusa.com before placing order. Once received we will set your account to tax-exempt.

NOTE: A 3% cancellation fee may be applied to cancelled orders.

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Province

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ESTIMATE

There is one shipping rate for your address:

- FedEx: \$78.50



CHECKOUT

We accept

