EL37 (Cont.) OUTPUT PENTODE

OPERATING CONDITIONS FOR TWO VALVES IN PUSH-PULL

(Fixed Bias)

V_a	350	400	V
V_{g_2}	350	400	V
$I_{a(o)}$	2×40	2×50	mA
I_a (max. sig.)	2×118	2×138	mA
$I_{g2(o)}$	2×5.0	2×6.0	mA
I_{g_2} (max. sig.)	2×29	2×36	mA
V_{g_1}	−31	−36	V
R_{a-a}	3.25	3.25	kΩ
P_{out}	46	69	W
$V_{in(g_1-g_1)r.m.s.}$	43.4	49	V
D_{tot}	2.8	2.5	%

OPERATING CONDITIONS FOR TWO VALVES IN PUSH-PULL

Triode Connection (Self Bias)

V_b	350	435	V
V_a	320	400	V
$I_{a+g2(o)}$	2×56	2×70	mA
I_{a+g_2} (max. sig.)	2×64	2×80	mA
P_{a+g_2}	2×18	2×28	W
*R_k	245	245	Ω
R_{a-a}	4.0	4.0	kΩ
$V_{in(g_1-g_1)r.m.s.}$	42	54	V
P_{out}	12.5	20.6	W
D_{tot}	4.1	4.3	%

*Common cathode bias resistor

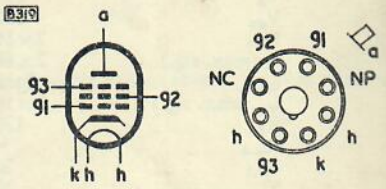
REPLACEMENT FOR:

KT66, N66—Direct.
AC/Qa—Bias may require adjustment.
EL5, EL6 (change base), EL35, EL36 } Direct substitute in single valve output stages. May not always be suitable without alteration in push-pull stages.
DO24, DO26, DO30—In some cases. Redesign circuit.

EL38

LINE TIMEBASE OUTPUT PENTODE

Output pentode primarily intended for use as line timebase output valve in a.c. operated television receivers.



Octal

HEATER

V_h	6.3	V
I_h	1.4	A

DIMENSIONS

Max. Overall Length	141	mm
Max. Seated Height	127	mm
Max. Diameter	45.5	mm