

EL37

OUTPUT PENTODE

25-watt pentode, particularly suitable for use in push-pull combination for outputs up to 69W, or as drivers for large power triode push-pull output stage.

HEATER

V_h	6.3	V
I_h	1.4	A

DIMENSIONS

Max. Overall Length	131	mm
Max. Diameter	54	mm

OPERATING CONDITIONS

V_a	250	V
V_{g2}	250	V
V_{g1}	-13.5	V
I_a	100	mA
I_{g2}	13.5	mA
R_{k1}	120	Ω
g_m	11	mA/V
r_a	13.5	k Ω
I_{g1-g2}	10	μ A
R_{g1-g2}	2.5	k Ω
$V_{in(r.m.s.)}$	10.8	V
D_{tot}	13.5	%
P_{out}	11.5	W

Pentode Connection

V_a max.	400	V
V_{g2} max.	400	V
P_a max.	25	W
P_{g2} max.	6.0	W
I_k max.	200	mA
V_{h-k} max.	75	V

Triode Connection

V_a+g_2 max.	400	V
P_a+g_2 max.	28	W

Triode Connection

(In cathode-coupled push-pull driver stage for large power triodes)	500	V
V_a+g_2 max.	12.5	W

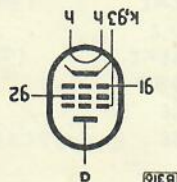
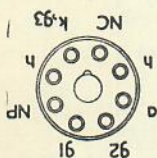
OPERATING CONDITIONS—TWO VALVES IN PUSH-PULL

V_a	250	V
V_{g2}	250	V
I_a (max. sig.)	2 \times 59	mA
$I_{g2(o)}$ (max. sig.)	2 \times 68	mA
$I_{g2(o)}$	2 \times 7.5	mA
R_k	130	Ω
R_{a-g}	4.0	k Ω
P_{out}	20	W
$V_{in(g1-g1r.m.s.)}$	29	V
D_{tot}	2.25	%

*Common cathode bias resistor

(Self Bias)

Octal



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