

LINE AND A.F. OUTPUT PENTODE

Pentode intended for use as line output tube in television receivers and as A.F. power amplifier.

HEATING: Indirectly by A.C. or D.C.; parallel supply

Heater voltage	V_f	6.3	V
Heater current	I_f	1.25	A

OPERATING CHARACTERISTICS

A.F. amplifier, Class B, two tubes in push pull

Anode voltage	V_a	300	V
Grid No.2 voltage	V_{g_2}	150	V
Grid No.1 voltage	V_{g_1}	-29	V
Load resistance	$R_{aa\sim}$	3.5	k Ω
Grid No.1 driving voltage	V_i	0	20 V _{RMS}
Anode current	I_a	2x18	2x100 mA
Grid No.2 current	I_{g_2}	2x0.5	2x19 mA
Output power	W_o	0	44.5 W
Distortion	d_{tot}	-	7.2 %

LIMITING VALUES (Design centre rating system)

Anode voltage	V_a	max.	250	V
Anode voltage for class B operation	V_a	max.	300	V
Cathode to heater voltage	V_{kf}	max.	100	V

 For further data and curves of this type
 please refer to PL36

PHILIPS

Data handbook



Electronic
components
and materials

EL36

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