

OUTPUT PENTODE

DL33

Output pentode with centre-tapped filament
for use in battery-operated equipment.

FILAMENT

This valve is suitable for D.C. operation only.

Filament Arrangement:

- (a) Series: V_f applied across the two filament sections in series, between pins 2 and 7.
 V_{g1} referred to pin 7.
- (b) Parallel: V_f applied across the two filament sections in parallel, between pin 8 and pins 2 and 7 connected together.
 V_{g1} referred to pin 8.

	Series	Parallel	
V_f	2.8	1.4	V
I_f	0.05	0.1	A

TYPICAL OPERATING CONDITIONS AS CLASS "A" AMPLIFIER

Filament Arr.:	Series			Parallel		
V_a	90	110	85	90	110	V
V_{g2}	90	110	85	90	110	V
V_{g1}	-4.5	-6.6	-5.0	-4.5	-6.6	V
V_{in} rms	3.2	3.6	3.5	3.2	3.8	V
I_a	8.0	8.5	7.0	9.5	10	mA
I_{g2}	1.0	1.1	0.8	1.3	1.4	mA
g_m	2.0	2.0	1.95	2.2	2.2	mA/V
R_a	80,000	110,000	70,000	90,000	100,000	ohms
R_a	8,000	8,000	9,000	8,000	8,000	ohms
W_{out}	230	330	250	270	400	mW
D_{tot}	8.5	8.5	5.5	6.0	6.0	%

LIMITING VALUES

Filament Arrangement:	Series	Parallel	
V_a max.	110	110	V
V_{g2} max.	110	110	V
I_{ko} max.	6*	12	mA
R_{g1} max.	1.0	1.0	M.ohm

* For each 1.4 V. Section.



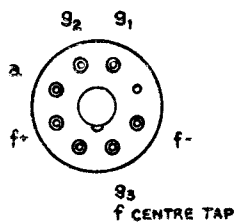
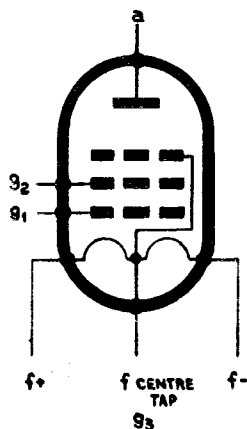
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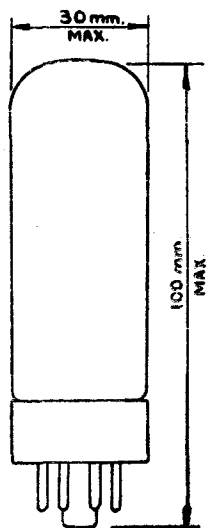
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DIMENSIONS

ARRANGEMENT OF ELECTRODES AND BASE CONNECTIONS



OCTAL BASE



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