

MINIATURE OUTPUT PENTODE

DL92

Output pentode with centre-tapped filament
for use in miniature 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 1 and 7. V_{g1} referred to pin 1.
- (b) Parallel: V_f applied across the two filament sections in parallel, between pin 5 and pins 1 and 7 connected together. V_{g1} referred to pin 5.

	<u>Series</u>	<u>Parallel</u>	
V_f	2.8	1.4	V
I_f	0.05	0.1	A

OPERATING CONDITIONS AS CLASS "A" AMPLIFIER

Filament Arrangement:	<u>Series</u>		<u>Parallel</u>		
V_a	67.5	90	67.5	90	V
V_{g2}	67.5	67.5	67.5	67.5	V
V_{g1}	-7	-7	-7	-7	V
I_{a0}	6.0	6.1	7.2	7.4	mA
I_{g20}	1.2	1.1	1.5	1.4	mA
g_m	1.4	1.43	1.55	1.58	mA/V
r_a	0.1	0.1	0.1	0.1	M.ohm
R_a	5,000	8,000	5,000	8,000	ohms
V_{in} rms	5	5	5	5	V
W_{out}	160	235	180	270	mW
D_{tot}	12	13	10	12	%

LIMITING VALUES

Filament Arrangement:	<u>Series</u>	<u>Parallel</u>	
V_a max.	90	90	V
V_{g2} max.	67.5	67.5	V
I_k max. signal	5.5*	11.0	mA
I_{k0} max.	4.5*	9.0	mA

* For each 1.4 V. section.

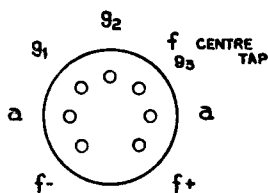
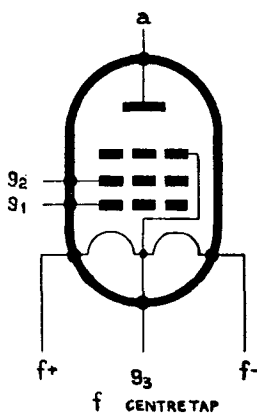


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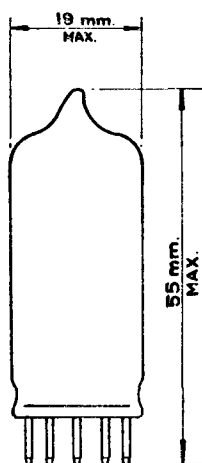
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ARRANGEMENT OF ELECTRODES
AND BASE CONNECTIONS



B7G BASE

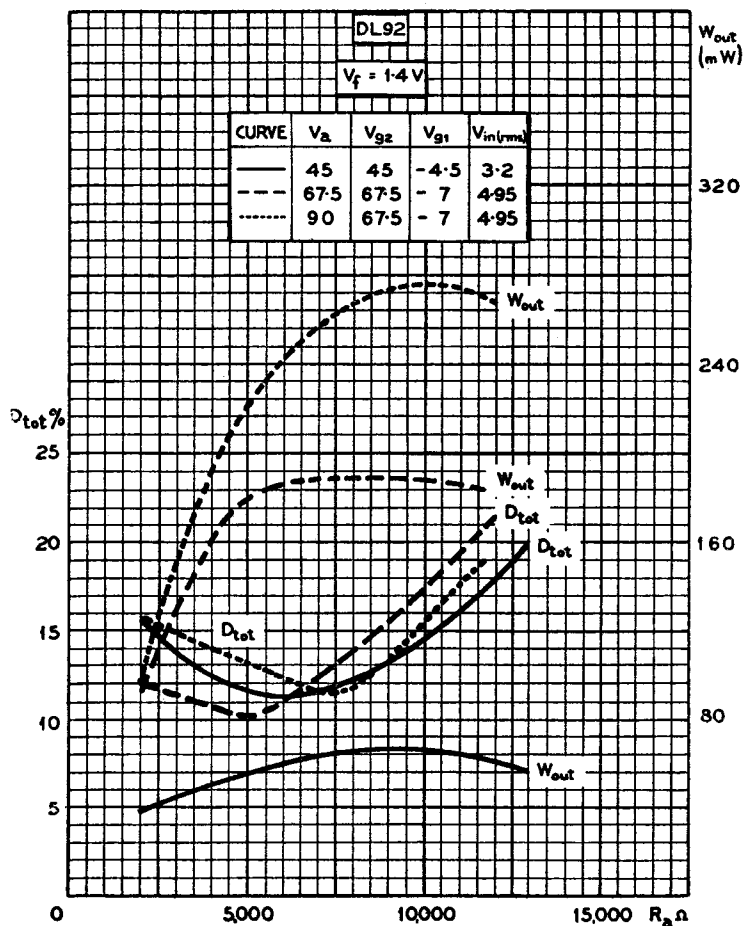
DIMENSIONS



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