

SUBMINIATURE OUTPUT PENTODE**DL68**

Subminiature output pentode suitable for use in hearing-aids. It has a filament current of 25mA and is primarily intended for use with an H.T. battery supply of 22.5 volts.

FILAMENT

V_f	1.25	V
I_f	25	mA

MOUNTING POSITION

Any

Note—Direct soldered connections to the leads of this valve must be at least 5 mm. from the seal and any bending of the valve leads must be at least 1.5 mm. from the seal.

CAPACITANCE

C_{a-g1}	0.15	$\mu\mu\text{F}$
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CHARACTERISTICS

V_a	22.5	V
V_{g2}	22.5	V
I_a	600	μA
I_{g2}	150	μA
V_{g1}	-2.2	V
g_m	430	$\mu\text{A}/\text{V}$
r_a	100	$\text{k}\Omega$
μ_{g1-R2}	5.0	

OPERATING CONDITIONS AS SINGLE VALVE CLASS "A" AMPLIFIER

V_b	22.5	V
V_{g2}	22.5	V
V_{g1}	-2.2	V
R_a	37.5	$\text{k}\Omega$
$I_{a(0)}$	600	μA
$I_{g2(0)}$	150	μA
V_{in} (r. m. s.)	1.3	V
P_{out}	5.0	mW
D_{tot}	10	%

LIMITING VALUES

V_a max.	45	V
V_{g2} max.	45	V
p_a max.	100	mW
p_{g2} max.	25	mW
I_k max.	2.3	mA



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