

SUBMINIATURE OUTPUT PENTODE

DL64

Subminiature output pentode suitable for use in hearing aids. It has a filament current of 10mA and is primarily intended for use with an H.T. battery supply of 15 volts.

FILAMENT

V_f	1.25	V
I_f	10	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.

CAPACITANCES (Measured without external screen)

C_{a-g_1}	<0.25	$\mu\mu F$
C_{in}	2.5	$\mu\mu F$
C_{out}	2.4	$\mu\mu F$

CHARACTERISTICS

V_a	15	V
V_{g_2}	15	V
I_a	160	μA
I_{g_2}	40	μA
V_{g_1}	-1.5	V
g_{in}	180	$\mu A/V$
r_a	400	k Ω
$\mu_{g_1-g_2}$	4.5	

OPERATING CONDITIONS AS SINGLE VALVE CLASS "A" AMPLIFIER

V_a	15	V
V_{g_2}	15	V
V_{g_1}	-1.55	V
R_a	100	k Ω
$I_{a(o)}$	150	μA
$I_{g_2(o)}$	37	μA
$V_{in(r.m.s.)}$	0.85	V
P_{out}	950	μW
D_{tot}	10	%

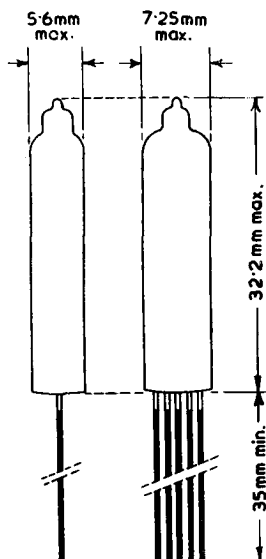
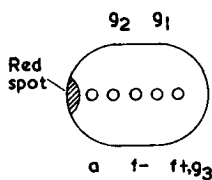
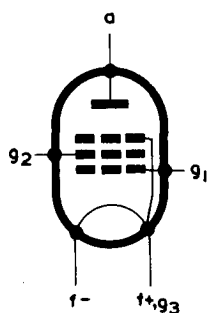
LIMITING VALUES

V_a max.	45	V
V_{g_2} max.	45	V
I_k max.	600	μA

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