

# 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	$\mu\mu\text{F}$
$C_{in}$	2.5	$\mu\mu\text{F}$
$C_{out}$	2.4	$\mu\mu\text{F}$

## CHARACTERISTICS

$V_a$	15	V
$V_{g_2}$	15	V
$I_a$	160	$\mu\text{A}$
$I_{g_2}$	40	$\mu\text{A}$
$V_{g_1}$	-1.5	V
$g_{in}$	180	$\mu\text{A}/\text{V}$
$r_a$	400	k $\Omega$
$\mu_{g_1-g_2}$	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 $\Omega$
$I_a^{(1)}$	150	$\mu\text{A}$
$I_{g_2}^{(1)}$	37	$\mu\text{A}$
$V_{in(r.m.s.)}$	0.85	V
$P_{out}$	950	$\mu\text{W}$
$D_{tot}$	10	%

## LIMITING VALUES

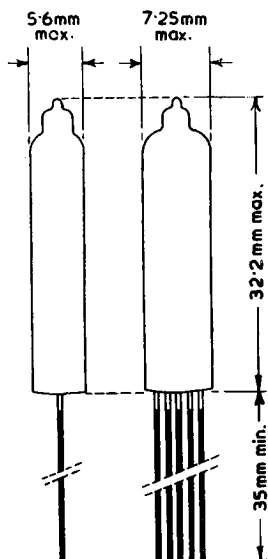
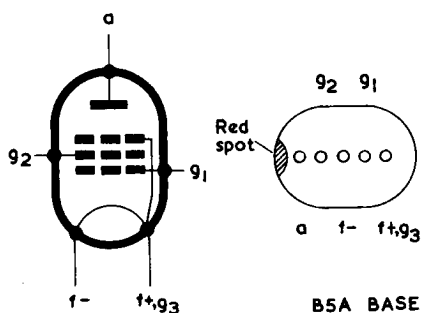
$V_a$ max.	45	V
$V_{g_2}$ max.	45	V
$I_k$ max.	600	$\mu\text{A}$



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