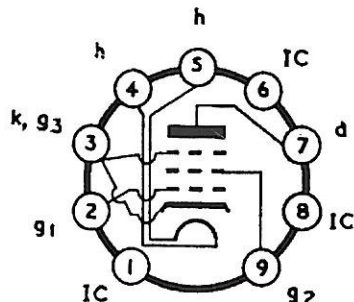


A high slope pentode primarily designed for use in the output stage of AC receivers and amplifiers.

BASE CONNECTIONS AND VALVE DIMENSIONS



View from underside
of base

Base : B9A

Bulb : Tubular

Overall length : 78 max. mm.

Seated length : 71 max. mm.

Diameter : 22·2 max. mm.

HEATER

V_h	6·3	V
I_h	0·76	A

RATING

V_a	300	max.	V
V_{g2}	300	max.	V
V_{h-k}	150	max.	V
I_k	65	max.	mA
P_a	12	max.	W
P_{g2}	2.0	max.	W
μ_{g1-g2}	at $V_a = V_{g2} = 250$ $V_{g1} = -7.3$ $I_a = 48\text{mA}$		
r_a	19		k Ω
g_m	38		mA/V
	11.3		

TYPICAL OPERATION

Single Valve. Class A. Audio Amplifier.

V_a	250	V
V_{g2}	250	V
V_{g1}	-7·5 approx.	V
I_a	48	mA
I_{g2}	5·5	mA
$V_{in(pk)}$	6·5	V
R_a	5	kΩ
P_{out}	6·0	W
D	10	%

CAPACITANCES

C_{in}	11 pF	C_{a-g1}	≥ 0·5 pF
C_{out}	6 pF	C_{g1-h}	≥ 0·25 pF

VENTILATION

Free air circulation round the bulb is preferable. The temperature of the hottest part of the bulb must not exceed 250° C.

MOUNTING

Any position.

