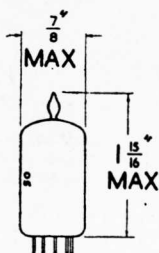


Current Equipment Type

B9A (Noval) Base

TYPE 8D8
MINIATURE
LOW MICROPHONY
AMPLIFIER PENTODE



The BRIMAR type 8D8 has been specially designed for use in the early stages of high gain A.F. amplifiers. Its thorough screening and rigid construction ensure low microphony and very low hum.

RATINGS

Heater Voltage ...	...	...	...	...	6.3 volts.
Heater Current ...	...	...	...	...	0.15 amp.
Anode Voltage ...	...	...	...	...	300 volts max.
Anode Dissipation ...	...	...	...	...	1 watt max.
Screen (g_2) Voltage ...	...	...	...	...	200 volts max.
Screen Dissipation ...	...	...	...	...	0.2 watt max.

CHARACTERISTICS

 (g_3 connected to cathode)

Anode Voltage ...	...	...	...	...	250 volts
Anode Current ...	...	...	...	...	3 mA
Screen Voltage ...	...	...	...	...	140 volts
Screen Current ...	...	...	...	...	0.6 mA
Control Grid (g_1) Voltage ...	...	...	...	...	-2 volts
Anode Impedance ...	...	...	...	...	2.5 M Ω
Mutual Conductance ...	...	...	...	...	1.9 mA/V

TYPICAL OPERATION AS RESISTANCE COUPLED AMPLIFIER

 (g_3 connected to cathode)

Anode and Screen Supply Voltage ...	200	250	300	400	volts	
Anode Load Resistor ...	...	220	220	220	k Ω
Screen Series Resistor ...	...	1.0	1.0	1.0	M Ω
Cathode Bias Resistor ...	...	2.2	2.2	2.2	k Ω
Output Voltage (r.m.s.)	36	46	54	73	volts
Voltage Gain	170	180	188	200	
Following Grid Resistor	680	680	680	680	k Ω

INTER-ELECTRODE CAPACITANCES

(Pentode connected: measured without external shielding)

Input ...	...	...	...	...	4.0 pF
Output ...	...	...	...	...	3.9 pF
Control Grid to Anode ...	...	...	...	...	0.05 pF max.
Control Grid to Heater ...	...	...	...	...	0.002 pF

