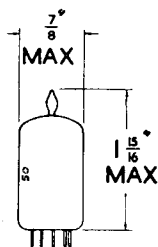
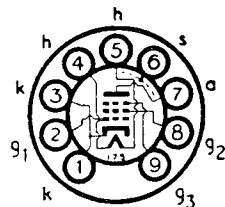


Current Equipment Type



TYPE 9D7 MINIATURE HIGH SLOPE VARI-MU PENTODE



The BRIMAR 9D7 is a high slope R.F. pentode with a vari-mu characteristic for use in the I.F. stages of television and F.M. receivers using automatic gain control. It is suitable for use with both A.C. and A.C./D.C. operated receivers.

RATINGS

Heater Voltage	...	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	...	0.3 amp.
Anode Voltage	...	...	...	...	...	...	275 volts max.
Anode Voltage ($I_a = 0$)	...	...	...	...	...	...	500 volts max.
Anode Dissipation	...	...	...	...	...	...	2.75 watts max.
Screen Voltage	...	...	...	...	...	...	275 volts max.
Screen Voltage ($I_{g2} = 0$)	...	...	...	...	...	...	500 volts max.
Screen Dissipation	...	...	...	...	...	...	1.2 watts max.
Cathode Current	...	...	...	...	...	...	30 mA max.
Heater-Cathode Voltage	...	...	...	...	...	...	250 volts max.

OPERATING CHARACTERISTICS

Anode Voltage	...	...	...	...	...	...	250 volts
Screen Voltage	...	...	...	...	...	...	100 volts
Cathode Bias Resistor	...	...	...	...	...	...	100 ohms
Anode Current	...	...	...	...	...	...	10 mA
Screen Current	...	...	...	...	...	...	3.3 mA
Mutual Conductance	...	...	...	...	...	...	8.4 mA/V
Anode Impedance	...	...	...	...	...	...	750 kilohms
Inner Amplification Factor (μ_{g1-g2})	...	...	...	...	...	...	35
Mutual Conductance at $V_{g1} = -20V$	...	...	...	...	...	...	7 $\mu A/V$

INTER-ELECTRODE CAPACITANCES *

Input	...	...	...	...	...	...	9.0 pF
Output	...	...	...	...	...	...	3.0 pF
Grid to Anode	...	...	...	...	...	...	0.01 pF max.

* With no external shield.

