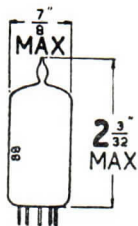
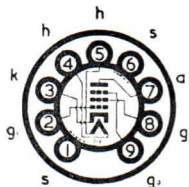


Current Equipment Type


TYPE UF89
VARI-MU R.F.
PENTODE



The BRIMAR UF89 is a vari-mu R.F. pentode designed primarily for use as an R.F. or I.F. amplifier.

Heater Current	...	...	...	...	...	0.1 amp.
Heater Voltage	...	...	...	...	...	12.6 volts

RATINGS

Anode Supply Voltage ($I_a = 0$)	...	...	...	...	550 volts max.
Anode Voltage	...	...	...	...	250 volts max.
Anode Dissipation	...	...	...	...	2.25 watts max.
Screen Supply Voltage ($I_{g_2} = 0$)	...	...	...	...	550 volts max.
Screen Voltage	...	...	...	...	250 volts max.
Screen Dissipation	...	...	...	...	0.45 watts max.
Cathode Current	...	...	...	...	16.5 mA max.
Grid-Cathode Resistance	...	...	...	...	3.0 M ohm max.
Heater-Cathode Resistance	...	...	...	...	20 k ohm max.
Heater-Cathode Voltage	...	...	...	...	150 volts max.

OPERATING CHARACTERISTICS

Anode Voltage	...	...	...	...	170 volts
Screen Voltage	...	...	...	...	110 volts
Control Grid Voltage	...	...	...	...	—2.0 volts
Anode Current	...	...	...	...	12 mA
Screen Current	...	...	...	...	3.9 mA
Mutual Conductance	...	...	...	...	3.8 mA/V
Anode Impedance	...	...	...	...	0.5 M ohm
Inner Amplification Factor ($\mu_{g_1-g_2}$)	...	...	...	...	21
Control Grid Voltage ($gm/10$)	...	...	...	...	—10 volts

INTER-ELECTRODE CAPACITANCES

C_{out}	...	...	...	...	5.5 pF
C_{in}	...	...	...	...	5.1 pF
C_{a-g_1} (max.)	...	...	...	...	0.002 pF
Grid to Heater	...	...	...	...	0.05 pF

