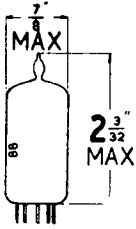
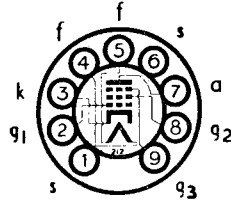


Replacement Type



TYPE EF89/6DA6 HIGH SLOPE VARI-MU R.F. PENTODE



The Brimar EF89 is a high slope R.F. Pentode particularly suitable for use in F.M. receivers.

RATINGS

Heater Voltage	...	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	...	0.2 amp.
Anode Voltage	...	...	...	...	...	...	300 volts max.
Anode Voltage ($I_a=0$)	...	...	...	...	...	...	500 volts max.
Anode Dissipation	...	...	...	...	...	...	2.25 watts max.
Screen Voltage	...	...	...	...	...	...	300 volts max.
Screen Voltage ($I_{g2}=0$)	...	...	...	...	...	...	500 volts max.
Screen Dissipation	...	...	...	...	...	...	0.45 watts max.
Cathode Current	...	...	...	...	...	...	16.5 mA max.

OPERATING CHARACTERISTICS

With Cathode Bias

Anode Voltage	...	...	...	200	250	volts
Screen Series Resistor	...	...	...	24	51	k Ω
Cathode Bias Resistor	...	...	...	130	160	ohms
Grid Voltage	...	...	...	-1.95	-20	-1.95 -20 volts
Anode Current	...	...	...	11.1	9	mA
Screen Current	...	...	...	3.8	3	mA
Mutual Conductance	...	...	...	3.85	0.16	3.5 0.24 mA/V
Anode Impedance	...	...	...	0.6	1.0	M Ω

With Grid Leak Bias

Anode Voltage	...	...	...	200	250	volts
Screen Series Resistor	...	...	...	33	62	k Ω
Cathode Bias Resistor	...	...	...	0	0	ohms
Control Grid Voltage	...	...	...	0	-20	0 -20 volts
Anode Current	...	...	...	11.25	9	mA
Screen Current	...	...	...	3.9	2.9	mA
Mutual Conductance	...	...	...	5.15	0.15	4.7 0.22 mA/V
Anode Impedance	...	...	...	0.55	0.82	M Ω

INTER-ELECTRODE CAPACITANCES

Input	...	...	...	...	...	5.5 pF
Output	...	...	...	...	...	5.1 pF
Control Grid to Anode	...	...	...	...	...	0.002 pF max.