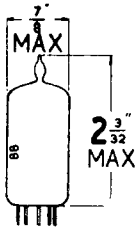
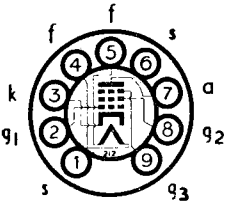
Replacement Type



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		kΩ
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		MΩ

With Grid Leak Bias

Anode Voltage	200		250		volts
Screen Series Resistor	33		62		kΩ
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		MΩ

INTER-ELECTRODE CAPACITANCES

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