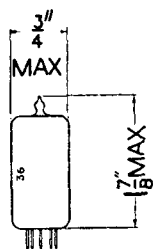
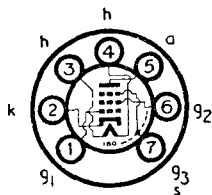


Current Equipment Type



B7G Base

TYPE **6BJ6**
 MINIATURE
 VARI-MU
 R.F. PENTODE



The BRIMAR 6BJ6 is a medium slope variable-mu R.F. Pentode designed for use in domestic radio equipment. It is particularly useful for car radio and mobile equipment where economy of heater current is important.

RATINGS

Heater Voltage	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	0.15 amp.
Anode Voltage	...	...	...	...	...	300 volts max.
Anode Dissipation	...	...	...	...	...	3.0 watts max.
Screen (g ₂) Voltage	...	...	...	...	...	125 volts max.
Screen Dissipation	...	...	...	...	...	0.6 watts max.

OPERATING CHARACTERISTICS

(Suppressor Grid (g₃) connected to Cathode)

Anode Voltage	...	...	...	100	250	250	volts
Anode Current	...	...	...	9.0	9.2	9.2	mA
Screen Voltage	...	...	...	100	100	—	volts
Series Screen Resistor	...	...	...	—	—	47	kΩ
Screen Current	...	...	...	3.5	3.3	3.3	mA
Control Grid (g ₁) Voltage	...	...	...	—1	—1	—1	volts
Cathode Bias Resistor	...	...	...	82	82	82	ohms
Anode Impedance	...	...	...	0.25	1.3	1.3	MΩ
Mutual Conductance	...	...	...	3.65	3.80	3.80	mA/V
Input Impedance at 50 mc/s	...	...	...	—	7,500	7,500	ohms
Input Impedance at 90 mc/s	...	...	...	—	4,200	4,200	ohms
Control Grid Voltage (for gm 0.015 mA/V)	...	...	...	—20	—20	—	volts

INTER-ELECTRODE CAPACITANCES *

Input	...	...	...	...	...	4.5	pF
Output	...	...	...	...	...	5.5	pF
Grid to Anode	...	...	...	...	...	0.0035	pF max.

* With no external shield.

