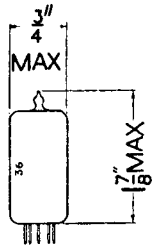
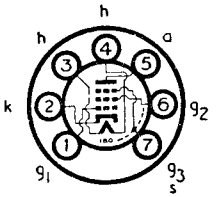
Current Equipment Type



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

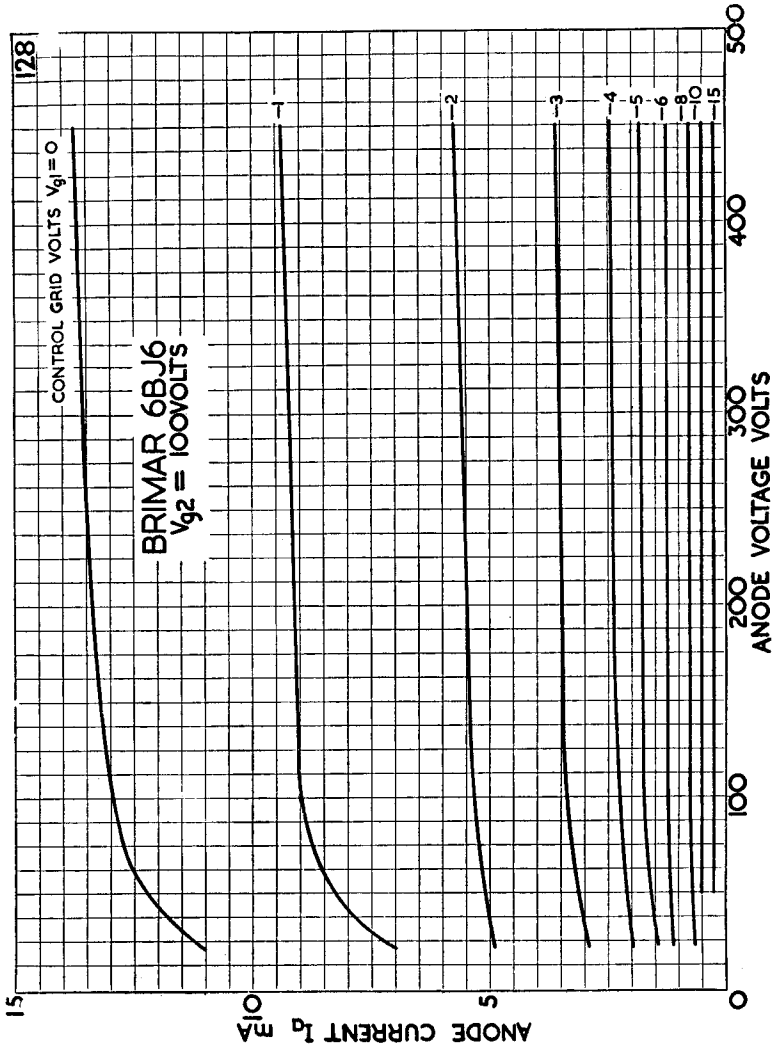
(Suppressor Grid (g_3) connected to Cathode)

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.*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BRIMAR 6BJ6
V_{g2} = 100VOLTS
CONTROL GRID VOLTS V_{g1} = 0
-1
-2
-3
-4
-5
-6
-8
-10
-15
ANODE CURRENT I_a mA
15
10
5
0
100
200
300
400
500
ANODE VOLTAGE VOLTS