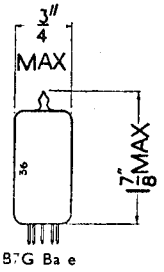
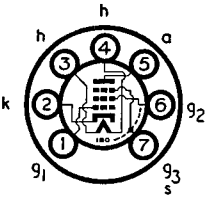
Current Equipment Type



TYPE **6BH6** MINIATURE HIGH SLOPE R.F. PENTODE



The BRIMAR 6BH6 is a medium slope, sharp cut-off R.F. Pentode designed for use in 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	150 volts max.
Screen Dissipation	0.5 watt max.

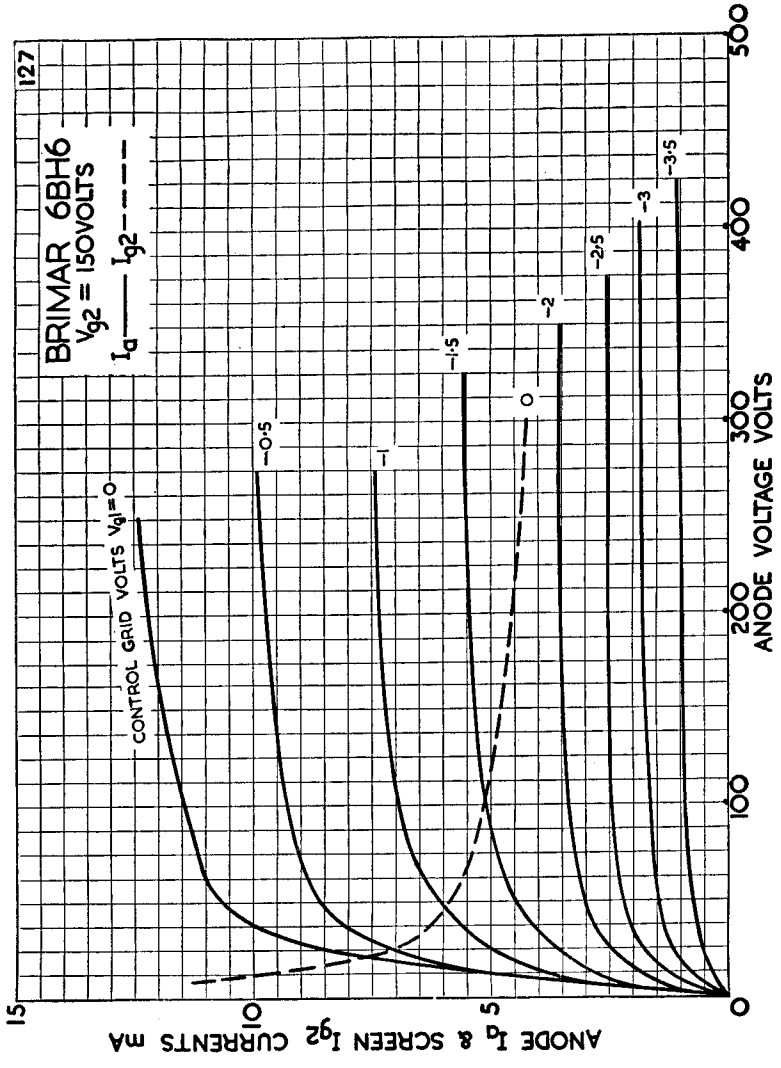
OPERATING CHARACTERISTICS
(Suppressor grid (g_3) connected to Cathode)

Anode Voltage	100	250	250	volts
Anode Current	3.6	7.4	7.4	mA
Screen Voltage	100	150	—	volts
Series Screen Resistor	—	—	33	kΩ
Screen Current	1.4	2.9	2.9	mA
Control Grid (g_1) Voltage	—1	—1	—1	volts
Cathode Bias Resistor	200	100	100	ohms
Anode Impedance	0.7	1.4	1.4	MΩ
Mutual Conductance	3.4	4.6	4.6	mA/V
Input Impedance at 50 mc/s	—	6,000	6,000	ohms
Input Impedance at 90 mc/s	—	3,000	3,000	ohms
Control Grid Voltage (for anode current cut-off)	—5	—7.7	—	volts

INTER-ELECTRODE CAPACITANCES *

Input	5.4 pF
Output	4.4 pF
Grid to Anode	0.0035 pF max.

** With no external shield.*


127
BRIMAR 6BH6
V_{g2} = 150VOLTS
I_a —— I_{g2} - - - -
CONTROL GRID VOLTS V_{g1}=0
-0·5
-1
-1·5
0
-2
-2·5
-3
-3·5
ANODE I_a & SCREEN I_{g2} CURRENTS mA
15
10
5
0
0
100
200
300
400
500
ANODE VOLTAGE VOLTS