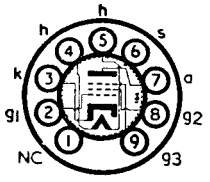


B9A (Noval) Base

Current Equipment Type

TYPE **6BR7**
MINIATURE
LOW MICROPHONY
AMPLIFIER PENTODE



The BRIMAR type 6BR7 has been specially designed for use in the early stages of high gain A.F. amplifiers. Its thorough screening and rigid construction ensure low microphony and greatly reduced hum compared with existing types.

RATINGS

Heater Voltage	6.3 volts
Heater Current	0.15 amp.
Anode Voltage	300 volts max.
Anode Dissipation	0.75 watt max.
Screen (g_2) Voltage	125 volts max.
Screen Dissipation	0.3 watt max.

OPERATING CHARACTERISTICS

(g_3 connected to Cathode)

Anode Voltage	100	250	volts
Anode Current	2.0	2.1	mA
Screen Voltage	100	100	volts
Screen Current	0.7	0.6	mA
Control Grid (g_1) Voltage	−3	−3	volts
Anode Impedance	1.5	2.3	meg.
Mutual Conductance	1.1	1.25	mA/V

OPERATION AS RESISTANCE COUPLED AMPLIFIER

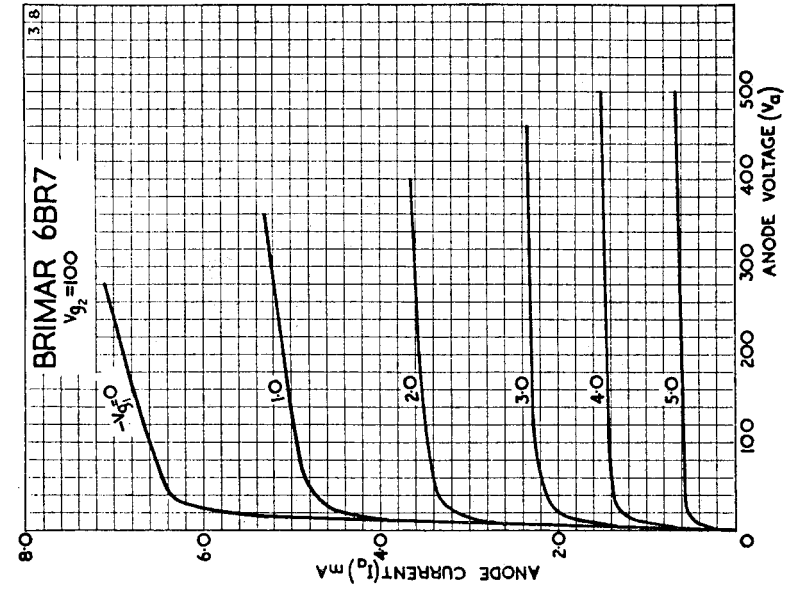
Anode and Screen Supply Voltage	100	200	300	volts
Anode Load Resistor	0.25	0.25	0.25	meg.
Screen Series Resistor	1.0	1.0	1.2	meg.
Cathode Bias Resistor	2,500	1,500	1,200	ohms
Peak Output	35	70	100	volts
Voltage gain	90	120	140	—

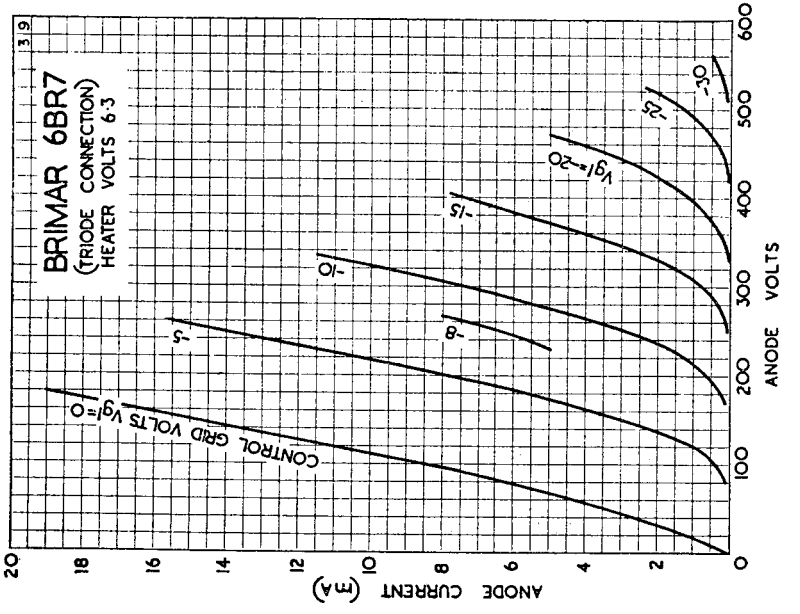
INTER-ELECTRODE CAPACITANCES

Input	4.0 pF
Output	4.0 pF
Control Grid to Anode	0.01 pF max.

When connected as a triode (g_3 to Cathode, g_2 to Anode), type 6BR7 has similar characteristics to those of type 6C5G.

Type 6BR7 *is a commercial equivalent of the* CV2135.





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