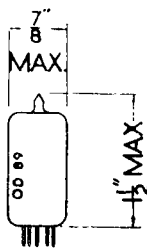
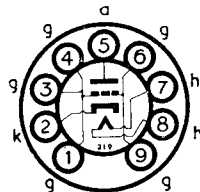


6AM4



Current Equipment Type
TYPE 6AM4
MINIATURE
GROUNDING GRID
AMPLIFIER TRIODE



The BRIMAR 6AM4 is a miniature B9A based triode suitable for grounded grid amplifier or mixer use in the frequency range 470 to 890 Mc/s.

RATINGS

Heater Voltage	...	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	...	0.225 amp.
Anode Voltage	...	...	...	...	...	...	200 volts max.
Anode Dissipation	...	...	...	...	...	...	2.0 watts
Positive D.C. Grid Voltage	...	...	...	...	...	...	0 volts max.
Heater-Cathode Potential—Heater Positive	...	...	...	...	...	...	80 volts max.
Heater-Cathode Potential—Heater Negative	...	...	...	...	...	...	250 volts max.

OPERATING CHARACTERISTICS

Anode Voltage	...	...	...	...	...	...	200 volts
Cathode Bias Resistor	...	...	...	...	...	...	100 ohms
Anode Current	...	...	...	...	...	...	10 mA
Mutual Conductance	...	...	...	...	...	...	9.8 mA/V
Anode Impedance	...	...	...	...	...	...	8,700 ohms
Amplification Factor	...	...	...	...	...	...	85
Grid Voltage for $1_{a_1} = 10\mu A$	...	...	...	...	...	...	-6.5 volts

NOTE: Fixed bias operation is not recommended.

TYPICAL OPERATION AS A MIXER

Anode Voltage	...	...	...	...	...	...	100 volts
Cathode Bias Resistor	...	...	...	...	...	...	220 ohms
Peak Heterodyne Voltage	...	...	...	...	...	...	1.0 volt
Anode Current	...	...	...	...	...	...	3.6 mA
Conversion Conductance	...	...	...	...	...	...	2.25 mA/V

INTER-ELECTRODE CAPACITANCES

	With external screen *	Without external screen
Anode to Cathode	0.16	0.16 pF
Cathode to Grid plus Heater	4.6	4.4 pF
Anode to Grid plus heater	2.8	2.4 pF
Heater to Cathode	1.8	1.8 pF

* Connected to Grid

