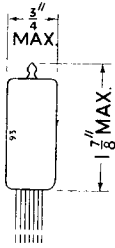
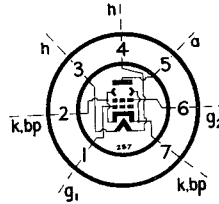


Industrial Type



TYPE F/7001 BEAM TETRODE



The BRIMAR F/7001 is a miniature beam tetrode intended primarily for use as an R.F. amplifier up to 50 Mc/s in mobile equipment. It is a Trustworthy valve and has been designed for use under adverse conditions of vibration and shock.

RATINGS

Heater Voltage	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	0.45 amps
Anode Voltage	...	...	...	...	250 volts abs. max.
Anode Voltage ($I_a = 0$)	...	...	...	...	550 volts abs. max.
Anode Dissipation	...	...	...	...	5.5 watts abs. max.
Screen Voltage	...	...	...	...	250 volts abs. max.
Screen Voltage ($I_{g_2} = 0$)	...	...	...	...	550 volts abs. max.
Screen Dissipation	...	...	...	...	1.1 watts abs. max.
Grid-Cathode Circuit Resistance—Fixed bias	...	...	...	...	100 kilohms max.
				Cathode bias	500 kilohms max.
Cathode Current	...	...	...	...	55 mA abs. max.
Heater to Cathode Voltage	...	...	...	...	175 volts abs. max.
Bulb Temperature	...	...	...	...	210° C. abs. max.
Shock (short duration)	...	...	...	...	500 g abs. max.
Continuous Vibration	...	...	...	...	2.5 g abs. max.
Operating Frequency	...	...	...	...	50 Mc/s max.

OPERATING CHARACTERISTICS

Anode Voltage	...	...	...	...	120 volts
Screen Voltage	...	...	...	...	120 volts
Control Grid Voltage	...	...	...	...	0 volts
Cathode Bias Resistor	...	...	...	...	250 ohms
Anode Current	...	...	...	...	35 mA
Screen Current	...	...	...	...	4 mA
Mutual Conductance	...	...	...	...	4.8 mA/V
Anode Impedance	...	...	...	...	15 kilohms
Inner Amplification Factor (μ_{g_1, g_2})	...	...	...	...	5.5 approx.

INTER-ELECTRODE CAPACITANCES

Input	...	...	...	...	7.0 pF
Output	...	...	...	...	8.75 pF
Grid to Anode	...	...	...	...	0.1 pF max.