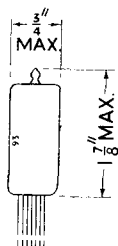
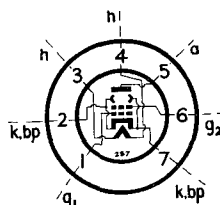


## Industrial Type



# 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 ( $\mu_{g_1 g_2}$ ) | ... | ... | ... | ... | 5.5 approx. |

## INTER-ELECTRODE CAPACITANCES

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