Heater**

Unipotential Cathode
Voltage 6.3 a-c or d-c volts
Current 0.6 amp.
Direct Interelectode Capacitances:
Control Grid to Anode 0.26 μF
Input 4.2 μF
Output 3.6 μF
Tube Voltage Drop (Approx.): 8 Volts
Control Ratio at Breakdown (Approx.):
Control Grid to Anode (Shield-Grid) Volts = 0 900
Shield Grid to Anode (Control-Grid) Volts = 0 880
Maximum Overall Length 4-1/8" 110 mm
Maximum Seated Height 3-9/16" 88 mm
Maximum Diameter 1-9/16" 38 mm
Bulb
Base Small Shell Octal 8-Pin
Pin 1 - No Connection
Pin 2 - Heater
Pin 3 - Anode
Pin 4 - No Connection
Pin 5 - Control Grid
Mounting Position BOTTOM VIEW
Any

Maximum Ratings Are Absolute Values

MAXIMUM RATINGS and TYPICAL OPERATING CONDITIONS
Peak Forward Anode Voltage 350 max. volts
Peak Inverse Anode Voltage 700 max. volts
Shield Grid (Grid No. 2) Voltage -100 max. volts
Control Grid (Grid No. 1) Voltage -100 max. volts
Peak Heater-Cathode Potential:
Heater negative with respect to cathode 100 max. volts
Heater positive with respect to cathode 25 max. volts
Peak Cathode Current 375 max. ma.
Average Cathode Current 75 max. ma.
Control-Grid Circuit Resistance 10 max. megohms
Ambient Temperature Range -55 to +90 °C

Typical Operation in Relay Service:
Anode Voltage (RMS) 220 volts
Shield Grid Voltage 0 volts
Control Grid Bias Voltage (RMS)** 4 volts
Control Grid Signal Voltage (Peak) 4 volts
Control Grid Circuit Resistance 1 megohm
Anode Circuit Resistance 2000 ohms

* Heater voltage must not deviate more than 10% from the rated value and must be applied at least 10 seconds before the application of anode voltage.
** For an averaging period of 30 seconds.
** Approximate 180° out of phase with the anode voltage.
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