



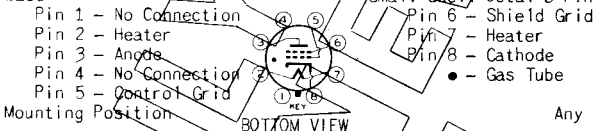
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THYRATRON

GAS-TETRODE

| | | |
|--|-------------------------|------------------|
| Heater* | Unipotential Cathode | |
| Voltage | 6.3 | a-c or d-c volts |
| Current | 0.6 | amp. |
| Direct Interelectrode Capacitances: ^o | | |
| 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) | 250 | |
| Shield Grid to Anode (Control-Grid Volts=0) | 800 | |
| Maximum Overall Length | | 4-1/8" |
| Maximum Seated Height | | 3-9/16" |
| Maximum Diameter | | 1-9/16" |
| Bulb | | ST-12 |
| Base | Small Shell Octal 8-Pin | |



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 |
| <i>Typical Operation in Relay Service:</i> | |
| 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.

^o With no external shield.

**For an averaging period of 30 seconds.

■ Approximately 180° out of phase with the anode voltage.

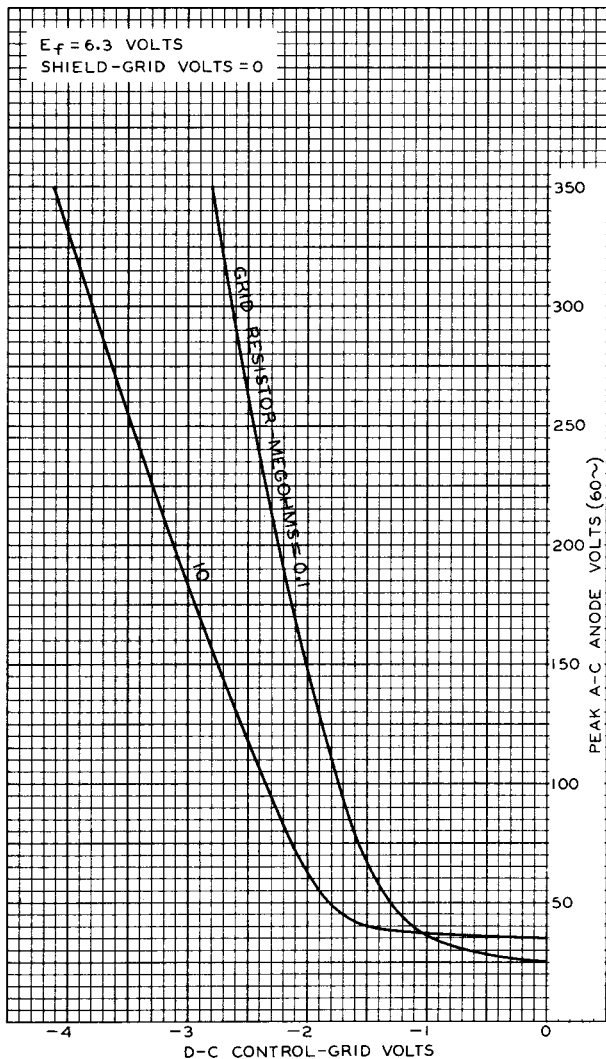
□ Sufficient resistance, including the tube load, must be used under any conditions of operation to prevent exceeding the current ratings.

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AVERAGE CONTROL CHARACTERISTICS



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 RCA VICTOR DIVISION
 RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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