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5557 THYRATRON

MERCURY-VAPOR TRIODE

DATAElectrical:Filament:

Voltage* 2.5 volts
Current 5.0 amp

Direct Interelectrode Capacitance:

Grid to Anode (Approx.) $4.4 \mu\text{pf}$
Peak Voltage Drop (Approx.) 16 volts

Approximate Control Characteristics:

Anode Voltage . . . 40 100 1000 volts
Grid Voltage . . . 0 -2.25 -6.5 volts
Ionization Time (Approx.) 10 microseconds
Deionization Time (Approx.) 1000 microseconds

Mechanical:

Mounting Position Vertical, base down
Overall Length $6\frac{3}{8}'' \pm \frac{1}{4}''$
Seated Length $5\frac{3}{4}'' \pm \frac{1}{4}''$
Maximum Diameter $2\text{--}7\frac{7}{16}''$
Bulb S-19
Cap Medium
Base Medium 4-Pin, Bayonet

Maximum Ratings, Absolute Values:

PEAK FORWARD ANODE VOLTAGE. 2500 max. volts
PEAK INVERSE ANODE VOLTAGE. 5000 max. volts
GRID VOLTAGE:
Before Conduction -500 max. volts
During Conduction -10 max. volts
INSTANTANEOUS ANODE CURRENT:
Below 25 Cycles 1.0 max. amp
25 Cycles and Higher. 2.0 max. amp
AVERAGE ANODE CURRENT** 0.5 max. amp
SURGE ANODE CURRENT for 0.1 sec. max. 40 max. amp
INSTANTANEOUS GRID CURRENT. 0.25 max. amp
AVERAGE GRID CURRENT**. 0.05 max. amp
COND.-MERCURY TEMP. RANGE[▲] 40 to 80 °C

* Filament voltage must be applied at least 5 seconds before anode voltage is applied.

** Averaged over any 15-second interval.

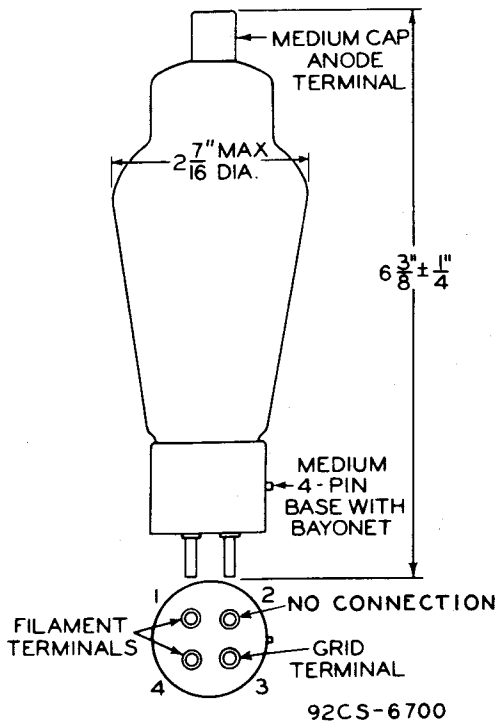
[▲] Recommended condensed-mercury temperature 40°C.

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OPERATIONAL REGION OF CRITICAL GRID VOLTAGE

