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THYRATRON

MERCURY-VAPOR TRIODE

DATA**Electrical:****Filament:**

Voltage* 2.5 volts

Current. 6.0 amp

Direct Interelectrode Capacitance:Anode to Grid (Approx.) 2.5 μf

Peak Voltage Drop. 12 volts

Control Characteristic . Negative

Ionization Time (Approx.) 10 $\mu\text{seconds}$ Deionization Time (Approx.) 1000 $\mu\text{seconds}$ **Mechanical:**

Mounting Position. Vertical, Base Down

Overall Length $6\text{-}3/8" \pm 1/4"$ Seated Length. $6" \pm 1/4"$ Maximum Diameter $2\text{-}1/16"$

Bulb S-19

Cap. Medium Metal

Base Small Shell Super-Jumbo 4-Pin

Maximum Ratings, Absolute Values:

For frequencies up to 150 cycles

PEAK FORWARD ANODE VOLTAGE 1250 max. volts

PEAK INVERSE ANODE VOLTAGE 2500 max. volts

PEAK GRID VOLT. (Before Conduction). -500 max. volts

PEAK ANODE CURRENT 2.5 max. amp

AVERAGE ANODE CURRENT** 0.64 max. amp

SURGE ANODE CURRENT for 0.1 sec. max. 25 max. amp

GRID CURRENT, Before Conduction(Grid Neg.) 4 max. μamp

PEAK GRID CURRENT. 0.25 max. amp

AVERAGE GRID CURRENT** 0.06 max. amp

COND.-MERCURY TEMPERATURE RANGE [▲] 25-70 °C

* Filament voltage must be applied at least 10 seconds before start of tube conduction.

** Averaged over any 30-second interval.

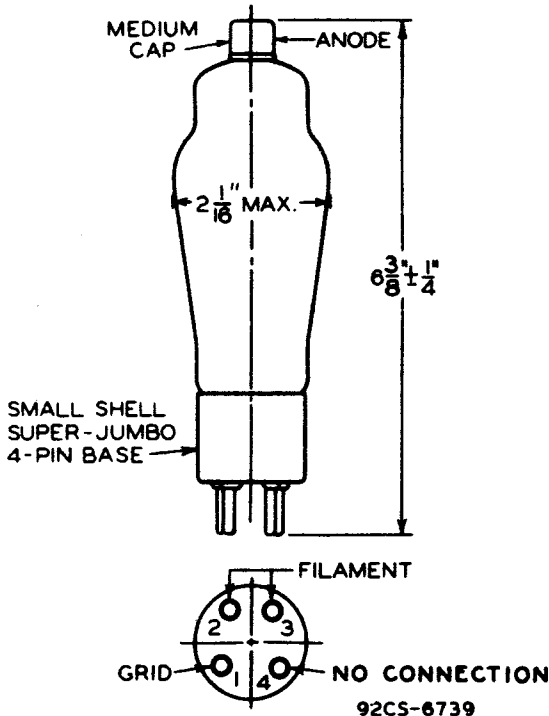
[▲] Recommended Condensed-Mercury Temperature 40 to 45°C.

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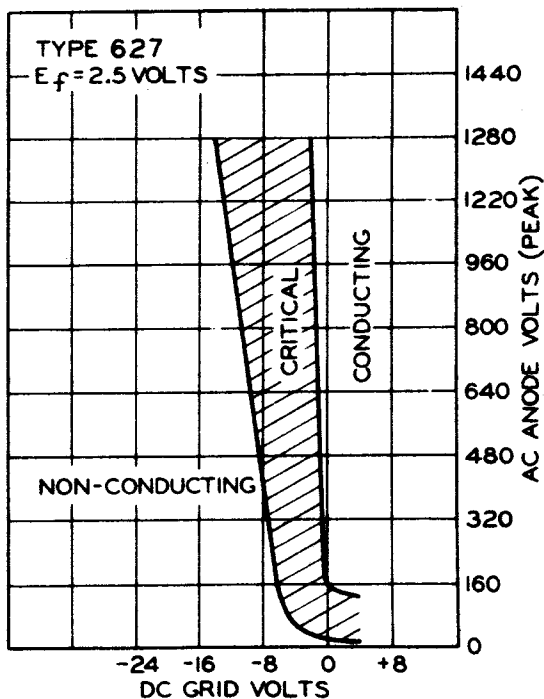


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OPERATIONAL REGION OF CRITICAL GRID VOLTAGE



92CS-6738