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THYRATRON

MERCURY-VAPOR TRIODE

DATA**Electrical:**

Heater, for Unipotential Cathode:

Voltage* 5 volts

Current 10 amp

Direct Interelectrode Capacitance:

Grid to Anode (Approx.) 5 μ uf

Peak Voltage Drop 12 volts

Control Characteristic. Negative

Ionization Time (Approx.) 10 μ secondsDeionization Time (Approx.) 1000 μ seconds**Mechanical:**

Mounting Position Vertical, Base Down

Overall Length 11-1/4" $\pm$ 1/2"

Maximum Diameter 3-13/16"

Bulb ST-30

Cap No. 3985

Base Large Shell Super-Jumbo 4-Pin

Maximum Ratings, Absolute Values:

For frequencies up to 150 cycles

PEAK FORWARD ANODE VOLTAGE 10000 max. volts

PEAK INVERSE ANODE VOLTAGE 10000 max. volts

PEAK GRID VOLTAGE:

Before Conduction -500 max. volts

Anode Negative 10 max. volts

PEAK ANODE CURRENT 15 max. amp

AVERAGE ANODE CURRENT** 4 max. amp

SURGE ANODE CURRENT for 0.1 sec., max. 16 max. amp

GRID CURRENT: Before Conduction (Grid Neg.) 5 max. μ amp

PEAK GRID CURRENT 1 max. amp

AVERAGE GRID CURRENT** 0.25 max. amp

COND.-MERCURY TEMPERATURE RANGE^A 30 - 50 °C

* Heater voltage must be applied for at least 5 minutes before anode voltage is applied.

** Averaged over any 15-second interval.

^A Recommended condensed-mercury temp. range, 35 - 45°C.

MAY 1, 1946

TUBE DIVISION

TENTATIVE DATA

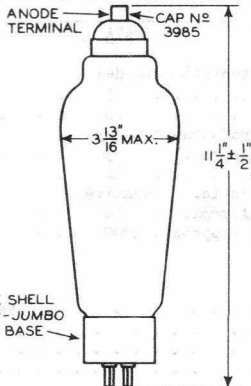
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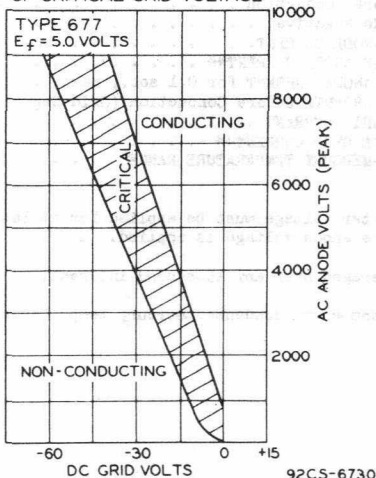


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OPERATIONAL REGION OF CRITICAL GRID VOLTAGE



MAY 1, 1946

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