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THYRATRON

GAS TRIODE

DATA**Electrical:****Heater, for Unipotential Cathode:**

Voltage* 2.5 volts

Current. 2.6 amp

Direct Interelectrode Capacitances (Approx.):Grid to Anode. 3.3 μf Grid to Cathode. 3.3 μf Anode to Cathode 1.8 μf

Peak Voltage Drop. 15 volts

Control Characteristic . Negative

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

Mounting Position. Any

Maximum Overall Length 4-1/4"

Maximum Seated Length. 3-5/8"

Maximum Diameter 1-9/16"

Bulb ST-12

Base Small 5-Pin

Maximum Ratings, Absolute Values:

PEAK FORWARD ANODE VOLTAGE 350 max. volts

PEAK INVERSE ANODE VOLTAGE 350 max. volts

PEAK GRID VOLTAGE. -90 max. volts

PEAK ANODE CURRENT 0.2 max. amp

AVERAGE ANODE CURRENT** 0.04 max. amp

SURGE ANODE CURRENT for 0.1 sec. max. 2.0 max. amp

GRID CURRENT, Before Conduction . . . 2.5 max. μamp

PEAK GRID CURRENT. 20 max. ma.

AVERAGE GRID CURRENT** 0.4 max. ma.

DC HEATER-CATHODE POTENTIAL RANGE . . -45 to +5 volts

AMBIENT TEMPERATURE RANGE -40 to +70 °C

* Heater voltage must be applied at least 30 seconds before start of tube conduction.

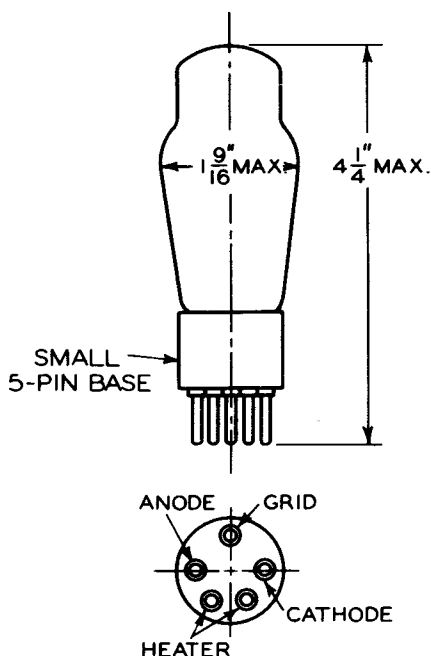
** Averaged over any 10-second interval.

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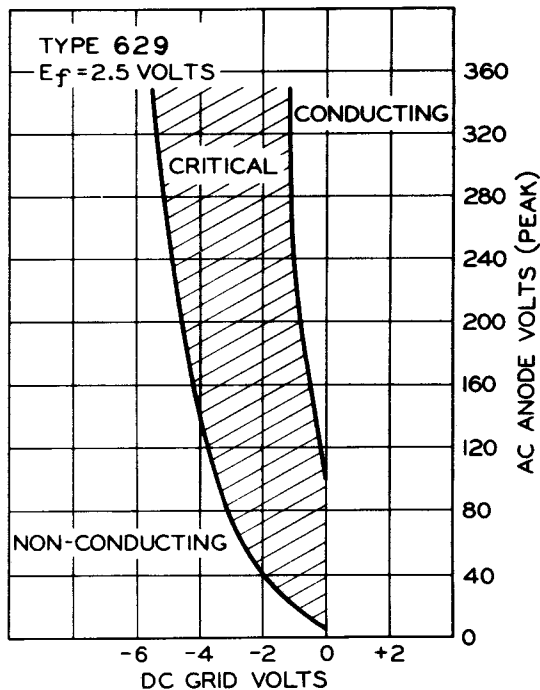
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92CS-6737

OPERATIONAL REGION OF CRITICAL GRID VOLTAGE



92CS-6736

MAY 1, 1946

TUBE DIVISION

CE-6737-6736

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY