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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 . . . . .  $\mu\text{f}$ Grid to Cathode. . . . . 3.3 . . . . .  $\mu\text{f}$ Anode to Cathode . . . . . 1.8 . . . . .  $\mu\text{f}$ 

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.  $\mu\text{amp}$ 

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.

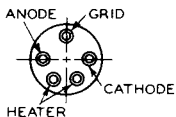
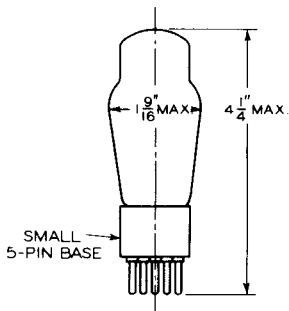
\*\* Averaged over any 10-second interval.

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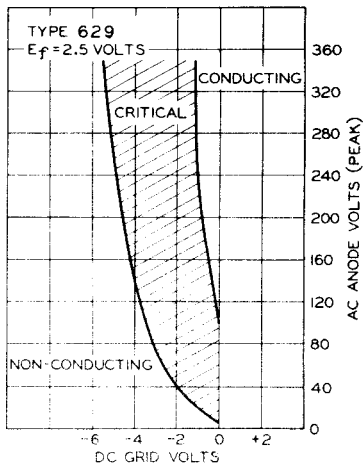
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92CS-6737

## OPERATIONAL REGION OF CRITICAL GRID VOLTAGE



92CS-6736

MAY 1, 1946

TUBE DIVISION

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

CE-6737-6736