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

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  $^{\circ}\text{C}$ 

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

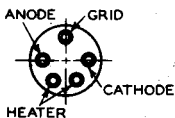
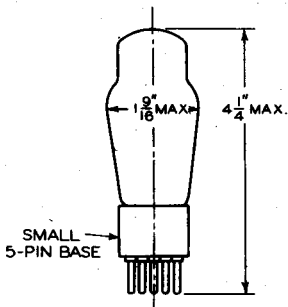
\*\* Averaged over any 10-second interval.

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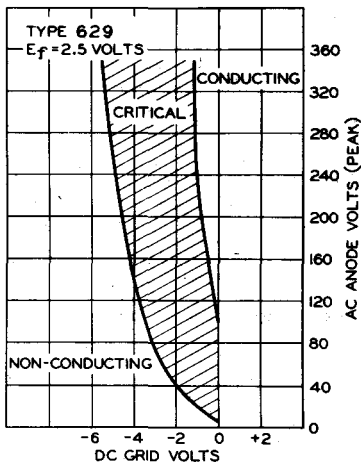
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92CS-6737

## OPERATIONAL REGION OF CRITICAL GRID VOLTAGE



92CS-6736

MAY 1, 1946

TUBE DIVISION  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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