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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	μf
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Peak Voltage Drop	12	volts
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Control Characteristic: Negative

Ionization Time (Approx.)	10	μseconds
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Deionization Time (Approx.)	1000	μseconds
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Mechanical:

Mounting Position	Vertical, Base Down
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Overall Length	11-1/4" ± 1/2"
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Maximum Diameter	3-13/16"
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Bulb	ST-30
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Cap	No. 3985
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Base	Large Shell Super-Jumbo 4-Pin
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Maximum Ratings, Absolute Values:

For frequencies up to 150 cycles

PEAK FORWARD ANODE VOLTAGE	10000 max.	volts
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PEAK INVERSE ANODE VOLTAGE	10000 max.	volts
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PEAK GRID VOLTAGE:

Before Conduction	-500 max.	volts
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Anode Negative	10 max.	volts
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PEAK ANODE CURRENT	15 max.	amp
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AVERAGE ANODE CURRENT**	4 max.	amp
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SURGE ANODE CURRENT for 0.1 sec., max.	16 max.	amp
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GRID CURRENT: Before Conduction (Grid Neg.)	5 max.	μamp
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PEAK GRID CURRENT	1 max.	amp
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AVERAGE GRID CURRENT**	0.25 max.	amp
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COND.-MERCURY TEMPERATURE RANGE [▲]	30 - 50	°C
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* Heater voltage must be applied for at least 5 minutes before anode voltage is applied.

** Averaged over any 15-second interval.

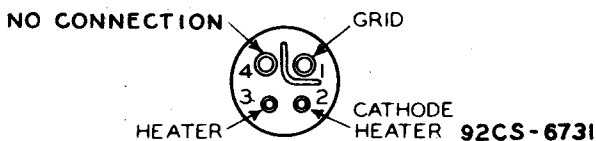
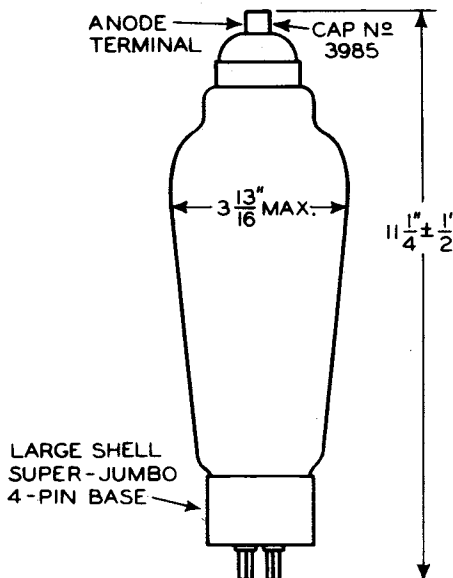
[▲] Recommended condensed-mercury temp. range, 35 - 45°C.

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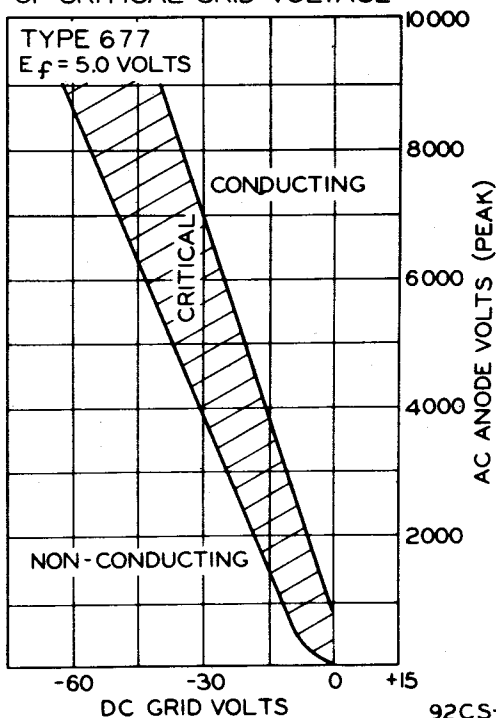


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OPERATIONAL REGION OF CRITICAL GRID VOLTAGE



MAY 1, 1946

TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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