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THYRATRON

MERCURY-VAPOR TRIODE

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

Voltage* 5 volts

Current 10 amp

Direct Interelectrode Capacitance:Grid to Anode (Approx.) 5 μ f

Peak Voltage Drop 12 volts

Control Characteristic. . NegativeIonization 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

	Continuous Service	Welder- Control Service	
PEAK FORWARD ANODE VOLTAGE	2500 max.	750 max.	volts
PEAK INVERSE ANODE VOLTAGE	2500 max.	750 max.	volts
PEAK GRID VOLTAGE:			
Before Conduction	-500 max.	-500 max.	volts
PEAK ANODE CURRENT.	40 max.	77 max.	amp
AVERAGE ANODE CURRENT	6.4 max.	2.5 max.	amp
SURGE ANODE CURRENT for			
0.1 sec. max.	200 max.	200 max.	amp
GRID CURRENT: Before con-			
duction (Grid Negative)	5 max.	5 max.	μ amp
PEAK GRID CURRENT	1 max.	1 max.	amp
AVERAGE GRID CURRENT.	0.25 max.	0.25 max.	amp
TIME OF AVERAGING CURRENTS.	15 max.	5 max.	sec
COND.-MERCURY TEMP. RANGE [▲]	40 - 80	40 - 90	$^{\circ}$ C

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

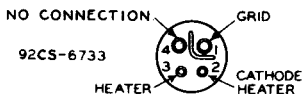
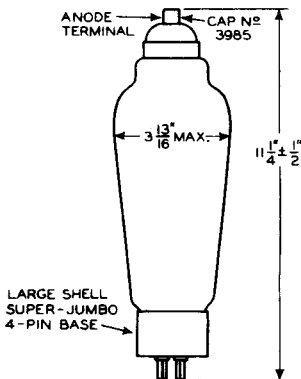
[▲] Recommended condensed-mercury temperature range, 45 - 55 $^{\circ}$ C.

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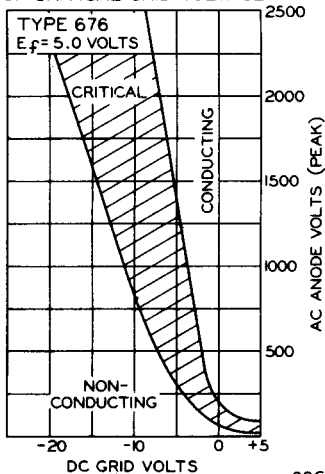


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OPERATIONAL REGION OF CRITICAL GRID VOLTAGE



92CS-6732

MAY 1, 1946

TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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