

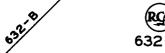
### 632-B

## MERCURY-VAPOR THYRATRON

632.4

NEGATIVE-CONTROL TETRODE TYPE

NEGATIVE-CONTROL TETRODE TITL			
GENERAL DATA			
Electrical:			
Current 5	or dc volts		
Grid No.2 to anode	5 minutes 04 μμf 3 μμf 10 μsec 000 μsec 2 μamp 12 volts		
Maximum Overall Length.  Seated Length Maximum Radius (Including side cap) Weight (Approx.) Bulb. Top Cap. Skirted Medium (JET Side Cap. Base. Skirted-Medium-Shell with Bayonet (JET Basing Designation for BOTTOM VIEW.  Pin 1 - Heater Pin 2 - Cathode, Circuit Top Cap	Saddle Medium I Small 4—Pin IEC No.A4—71) 4CD — Heater, Cathode		
Temperature Control:  **Heating*When the ambient temperature is so to normal rise of condensed-mercury temper the ambient temperature will not brind densed-mercury temperature up to the min of the operating range specified unce **Ratings**, some form of heat-conserving or auxiliary heater will be required.  **CoolingWhen the operating conditions are such maximum value of the operating condentemperature is exceeded, provision sho for forced-air cooling sufficient to ceeding the maximum value.	rature above ng the con- nimum value der Maximum g enclosure ch that the sed-mercury uld be made prevent ex-		
Under operating conditions where the average anode cu exceed 0.5 ampere, the heater voltage may be increased t	o 5.5 volts.		



#### MERCURY-VAPOR THYRATRON

IGNITOR-FIRING AND GRID-CONTROLLED RECTIFIER SERVICE

Maximum Ratings. Absolute Values: For anode-supply frequency of 60 cps

> Operating Condensed-Mercury Temperature Range 40° to 80°C

PEAK	ANODE	VOLTAGE:
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1500 max. volts Forward. Inverse. 1500 max. volts GRID-No.2 (SHIELD-GRID) VOLTAGE:

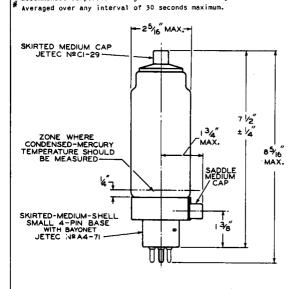
Peak, before tube conduction . -300 max. volts GRID-No.1 (CONTROL-GRID) VOLTAGE: Peak, before tube conduction . . -1000 max. volts

CATHODE CURRENT:

30 max. amp Peak . . 2.5 max. Average# . . . . amp Fault, for duration of 0.1

150 max. second max. amp AVERAGE GRID-No.2 CURRENT\* +0.25 max. amo +0.25 max. amp

AVERAGE GRID-No.1 CURRENT\* Recommended temperature range of condensed mercury is  $45^{\circ}$  to  $50^{\circ}$ C.

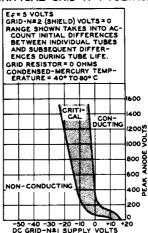




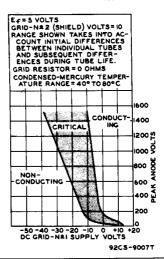
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#### MERCURY-VAPOR THYRATRON

# OPERATIONAL RANGES OF CRITICAL GRID-NºI VOLTAGE



92CS-9008T



632.B