672-A
THYRATRON
MERCURY-VAPOR TETRODE

Supersedes Type 672

GENERAL DATA

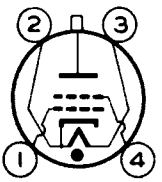
Electrical:

Heater, for Unipotential Cathode:	
Voltage	5 ac or dc volts
Current	5 amp
Cathode:	
Min. Heating Time, prior to tube conduction	5 minutes
Direct Interelectrode Capacitances:	
Grid No.1 to Anode	0.04 μμf
Grid No.2 to Anode	3 μμf
Ionization Time (Approx.)	10 μsec
Deionization Time (Approx.)	1000 μsec
Maximum Critical Grid Current	2 μamp
Anode Voltage Drop (Approx.)	12 volts

Mechanical:

Mounting Position	Vertical, Base Down
Overall Length	7-7/8" ± 1/4"
Seated Length	7-1/8" ± 1/4"
Maximum Diameter	2-5/16"
Bulb	T-18
Cap	Skirted Medium
Base	Large-Shell Super-Jumbo 4-Pin, Bayonet
Basing Designation for BOTTOM VIEW	4CE

Pin 1 - Grid No.1
Pin 2 - Heater, Cathode
Pin 3 - Heater
Pin 4 - Grid No.2
Cap - Anode



GRID-CONTROLLED RECTIFIER SERVICE

For frequencies up to 150 cycles

Maximum Ratings, *Absolute Values*:

PEAK ANODE VOLTAGE:		
Forward	2500 max.	volts
Inverse	2500 max.	volts
GRID-No.2 (SHIELD-GRID) VOLTAGE:		
Peak, before anode conduction	-300 max.	volts
GRID-No.1 (CONTROL-GRID) VOLTAGE:		
Peak, before anode conduction	-1000 max.	volts
CATHODE CURRENT:		
Peak	40 max.	amp
Average■	3.2 max.	amp
Surge, for duration of 0.1 sec. max.	150 max.	amp

■ See next page.

(continued on next page)

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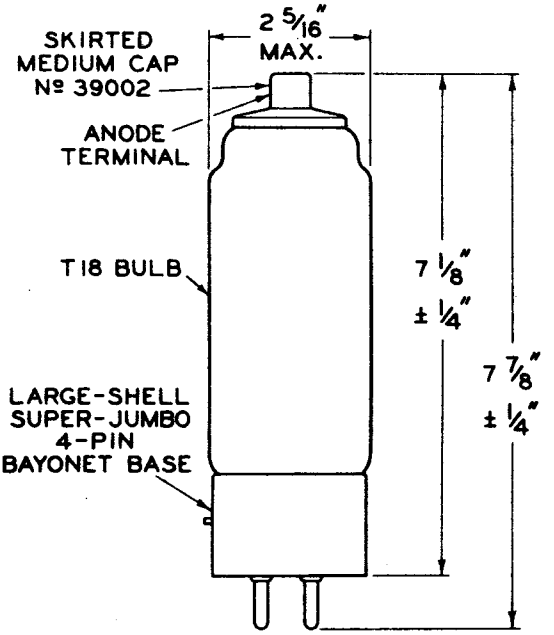
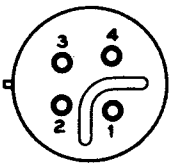
GRID-No. 2 CURRENT:		
Peak	1 max.	amp
Average■	0.25 max.	amp
GRID-No. 1 CURRENT:		
Peak	1 max.	amp
Average■	0.25 max.	amp
COND.-MERCURY TEMPERATURE RANGE▲	40 to 80	°C

■ Averaged over any interval of 15 sec. max.

▲ Recommended condensed-mercury temperature is between 45° and 50°C.





BOTTOM VIEW OF BASE

92CS-6735R1

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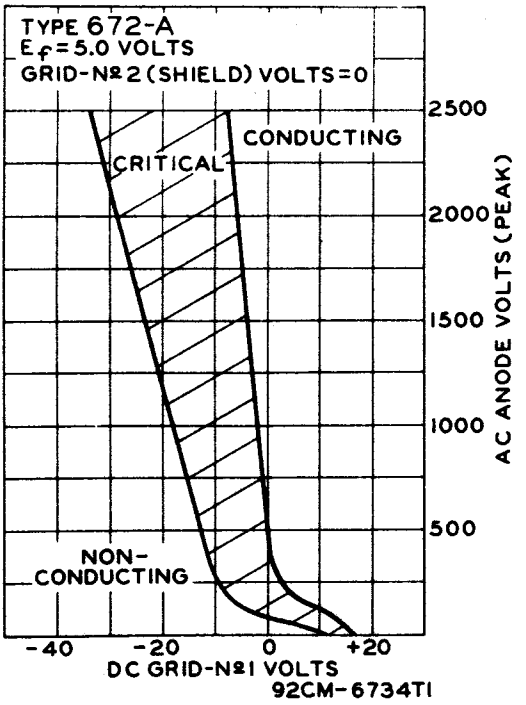
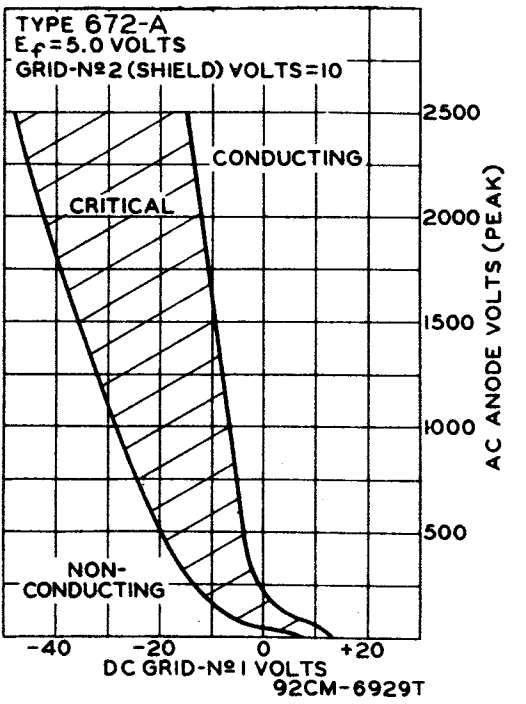
OPERATIONAL RANGES OF CRITICAL GRID-Nº1 VOLTAGE





TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY