



# MERCURY-VAPOR RECTIFIER

## DESCRIPTION

The GL-8008 is a half-wave, mercury-vapor rectifier tube designed to withstand high peak inverse voltages, and to conduct at relatively low applied

voltages. The ratings of this tube are the same as those for the 872-A/872. The 8008, however, has a Super-Jumbo push-type base.

## TECHNICAL INFORMATION

*These data are for reference only. For design information refer to specifications.*

### GENERAL DESIGN

Number of electrodes.....	2
<b>Electrical</b>	
Cathode—Filamentary type	
Filament voltage.....	5.0 volts
Filament current, approximate.....	7.5 amperes
Transformer watts, for design purposes.....	50
Heating time, typical.....	30 seconds
Peak voltage drop, typical.....	10 volts
<b>Mechanical</b>	
Type of cooling.....	convection
Base.....	super-jumbo 4-pin bayonet, RMA A4-18
Cap.....	medium metal, RMA C1-5
Net weight, approximate.....	1/2 pound
Shipping weight, approximate.....	3 pounds
Mounting position.....	vertical, base down



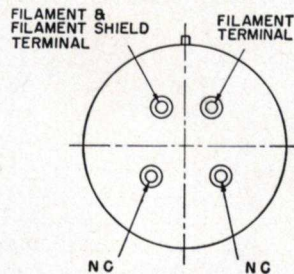
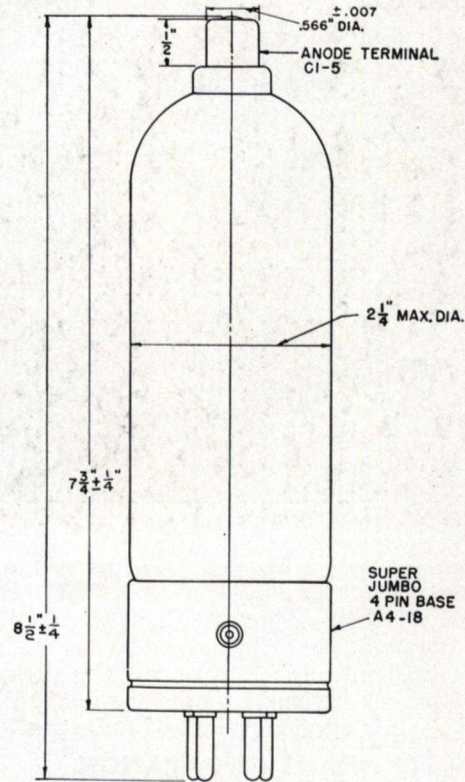
**GENERAL  ELECTRIC**



TECHNICAL INFORMATION (CONT'D)

MAXIMUM RATINGS

Maximum peak inverse anode voltage		
150 cycles or less.....	5000-10,000	volts
Condensed-mercury temperature limits.....	20-70, 20-60	centigrade
Maximum anode current		
Instantaneous		
25 cycles and above.....	5.0	amperes
Average.....	1.25	amperes
Surge, for design only.....	.50	amperes
Duration of surge current.....	0.2	seconds
Maximum time of averaging current.....	15	seconds
Recommended temperature, condensed mercury.....	40 ± 5	centigrade



BOTTOM VIEW

GL-8008 OUTLINE

N-21502AZ

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