



PHANOTRON

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 are the same as those for the 872-A. The 8008, however, has a Super-Jumbo push-type base.

◆ TECHNICAL INFORMATION

GENERAL

Electrical

	Minimum	Bogey	Maximum
Filament voltage.....	4.75	5.0	5.25 volts
Filament current at 5.0 volts.....		7.5	8.0 amperes
Cathode heating time required.....	30		seconds
Anode voltage drop, typical.....		15	volts
Critical anode voltage.....			50 volts

Mechanical

Type of cooling—Convection	
Equilibrium condensed-mercury-temperature rise above ambient	
At full load, approximate.....	20 C
At no load, approximate.....	14 C
Mounting position—Vertical, base down	
Net weight, maximum.....	7.5 ounces

◆ Technical information completely revised.


Electronic
TUBE

GENERAL  ELECTRIC

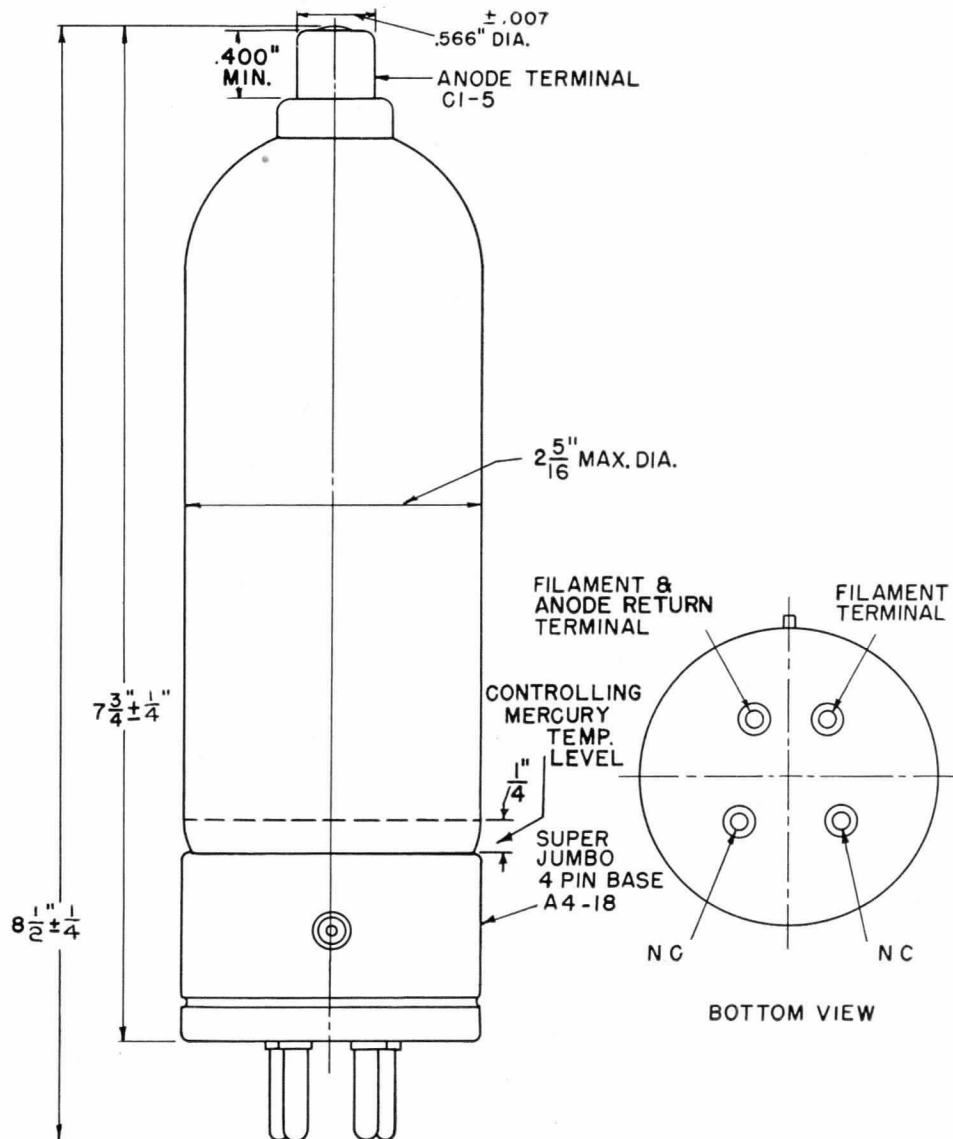
Supersedes ETI-256 dated 12-45

TECHNICAL INFORMATION (CONT'D)

MAXIMUM RATINGS, Absolute Values

Maximum peak inverse anode voltage	5000	10,000	volts
Maximum cathode current			
Peak	5.0	5.0	amperes
Average	1.25	1.25	amperes
Surge (maximum duration 0.2 second)	50	50	amperes
Maximum averaging time	15	15	seconds
Maximum frequency	150	150	cycles per second
Condensed-mercury temperature limits	+20 to +70	+20 to +60	C

OUTLINE
◆ GL-8008 PHANOTRON



N-21502AZ
◆ Drawing revised.

9-7-45

TUBE DEPARTMENT

GENERAL  ELECTRIC

Schenectady 5, N. Y.



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. The GL-8008, however, has a Super-Jumbo push-type base.

◆ TECHNICAL INFORMATION

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

GENERAL

	Minimum	Bogey	Maximum
Electrical Data			
Filament Voltage.....	4.75	5.0	5.25 Volts
Filament Current at 5.0 Volts.....		7.5	8.0 Amperes
Cathode Heating Time Required.....	.30		Seconds
Anode Voltage Drop, typical.....		15	Volts
Critical Anode Voltage.....			50 Volts

Mechanical Data

Type of Cooling—Convection	
Equilibrium Condensed-Mercury-Temperature Rise Above Ambient	20 C
At Full Load, approximate.....	14 C
At No Load, approximate.....	
Mounting Position—Vertical, base down	7.5 Ounces
Net Weight, maximum.....	

◆ Technical Information completely revised.

GENERAL  ELECTRIC

Supersedes ETX-202 dated 5-46

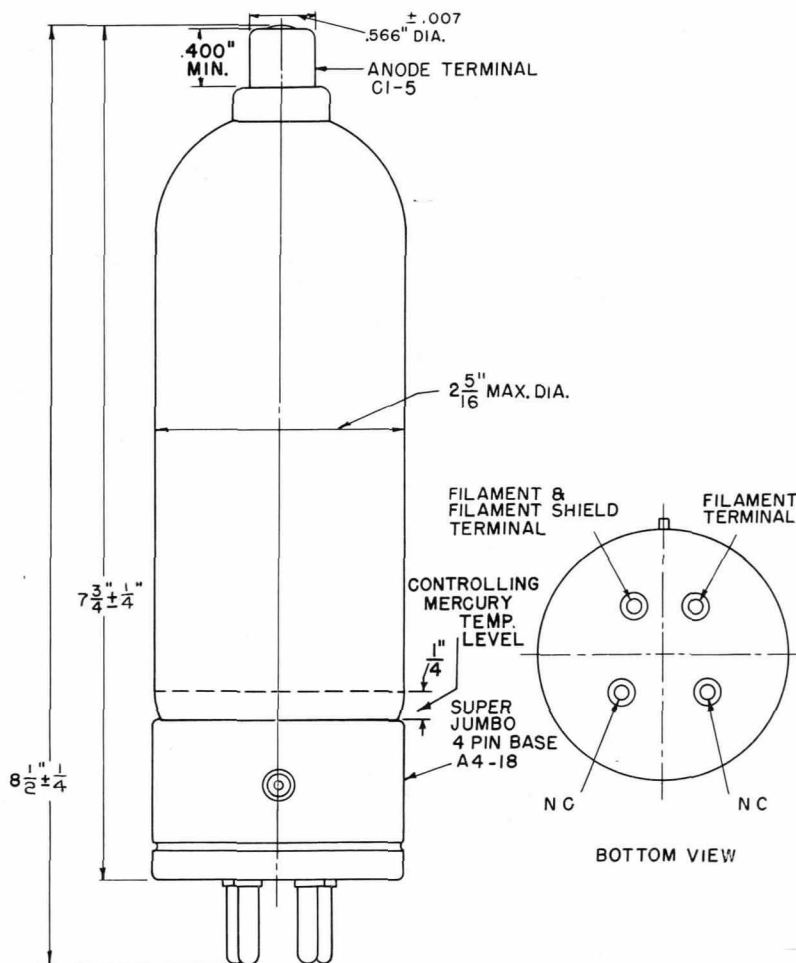

Electronic
TUBE

TECHNICAL INFORMATION (CONT'D)

MAXIMUM RATINGS, Absolute Values

Maximum peak inverse anode voltage.....	5000	10,000 volts
Maximum cathode current		
Peak.....	5.0	5.0 amperes
Average.....	1.25	1.25 amperes
Surge (maximum duration 0.2 second).....	50	50 amperes
Maximum averaging time.....	15	15 seconds
Maximum frequency.....	150	150 cycles per sec.
Condensed-mercury temperature limits.....	+20 to +70	+20 to +60 C

◆ GL-8008 OUTLINE



N-21502AZ
 Drawing revised.

8-29-47

Tube Divisions, Electronics Department

GENERAL  ELECTRIC

Schenectady, N. Y.