



PHANOTRON

DESCRIPTION

The GL-872-A is a mercury-vapor, half-wave rectifier for use in high-voltage rectifier circuits.

◆ 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	.75 ounces
Net weight, maximum	

◆ Technical information completely revised.


Electronic
TUBE

GENERAL  ELECTRIC

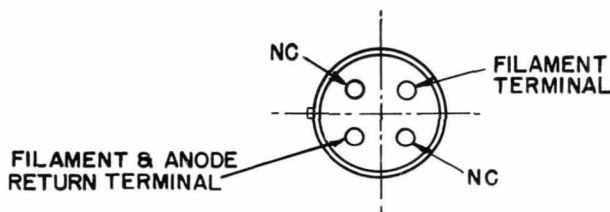
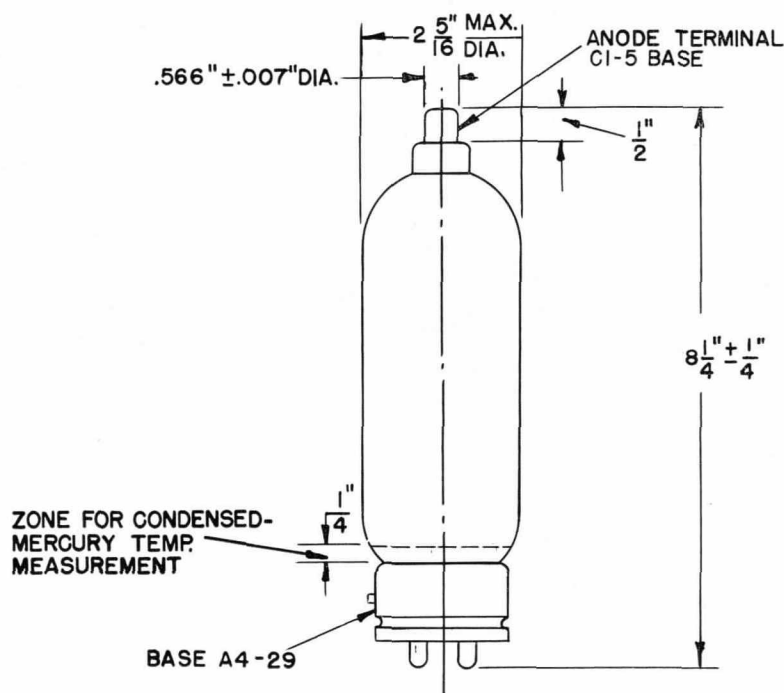
Supersedes ETI-155A dated 4-48

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 +60C	

OUTLINE
▲GL-872-A PHANOTRON



K-8639375
▲ Revised drawing.

8-2-49

Tube Divisions, Electronics Department

GENERAL ELECTRIC
Schenectady, N. Y.