



PHANOTRON

DESCRIPTION

The GL-872-A/872 is a half-wave, mercury-vapor rectifier tube designed to withstand high peak inverse voltages, and to conduct at relatively low applied voltages.

TECHNICAL INFORMATION

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

GENERAL CHARACTERISTICS

Number of electrodes.....2

Electrical

Cathode—Filamentary type

Filament voltage.....5.0 volts

Filament current, approx.....7.5 amperes

Transformer power for design purposes.....50 watts

Heating time, typical.....30 seconds

Peak voltage drop, typical.....10 volts

Mechanical

Type of cooling.....convection

Net weight..... $\frac{1}{2}$ pound

Shipping weight, approx.....3 pounds

Mounting position.....vertical, base down

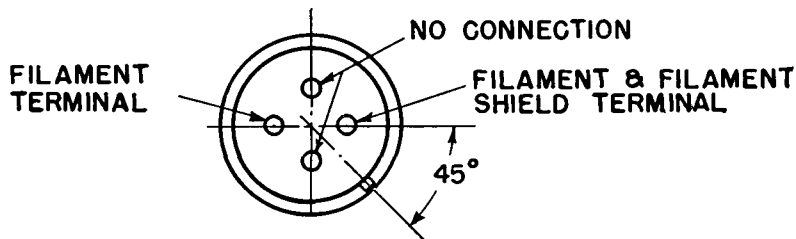
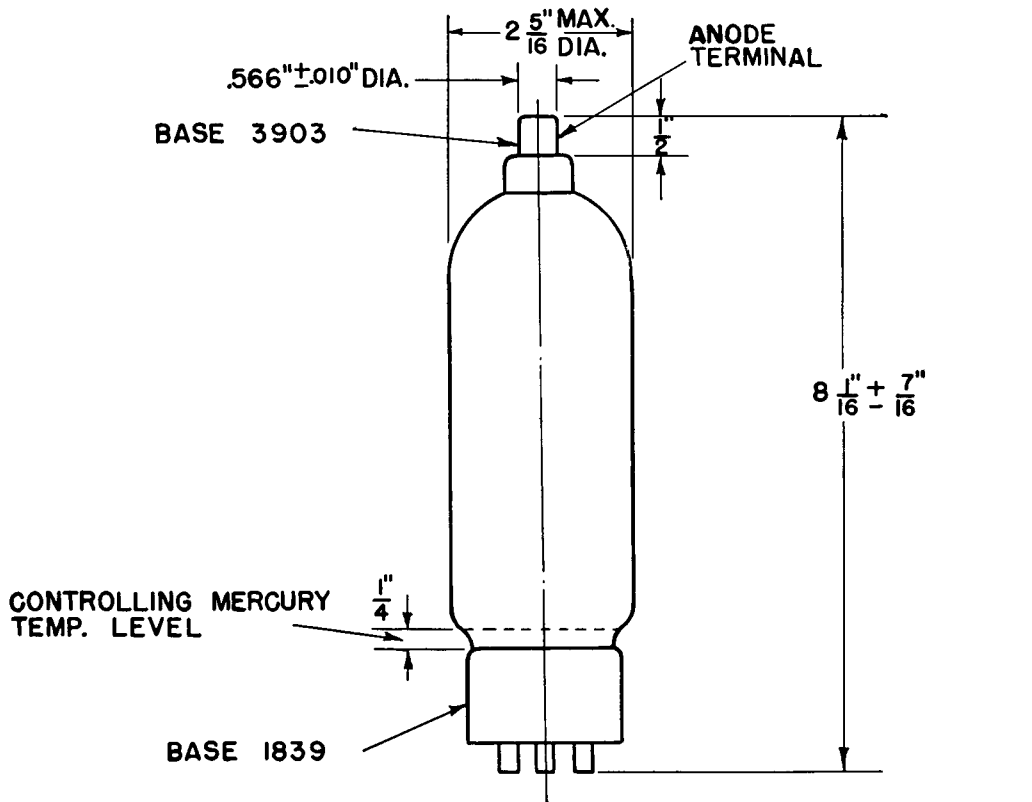

Electronic
TUBE

GENERAL  ELECTRIC

TECHNICAL INFORMATION (CONT'D)

MAXIMUM RATINGS

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



K-8639375

9-23-44

OUTLINE
GL-872-A/872 PHANTOTRON

Electronics Department
GENERAL ELECTRIC
Schenectady, N. Y.