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	½	pound
Shipping weight, approx.	3	pounds
Mounting position		vertical, base down

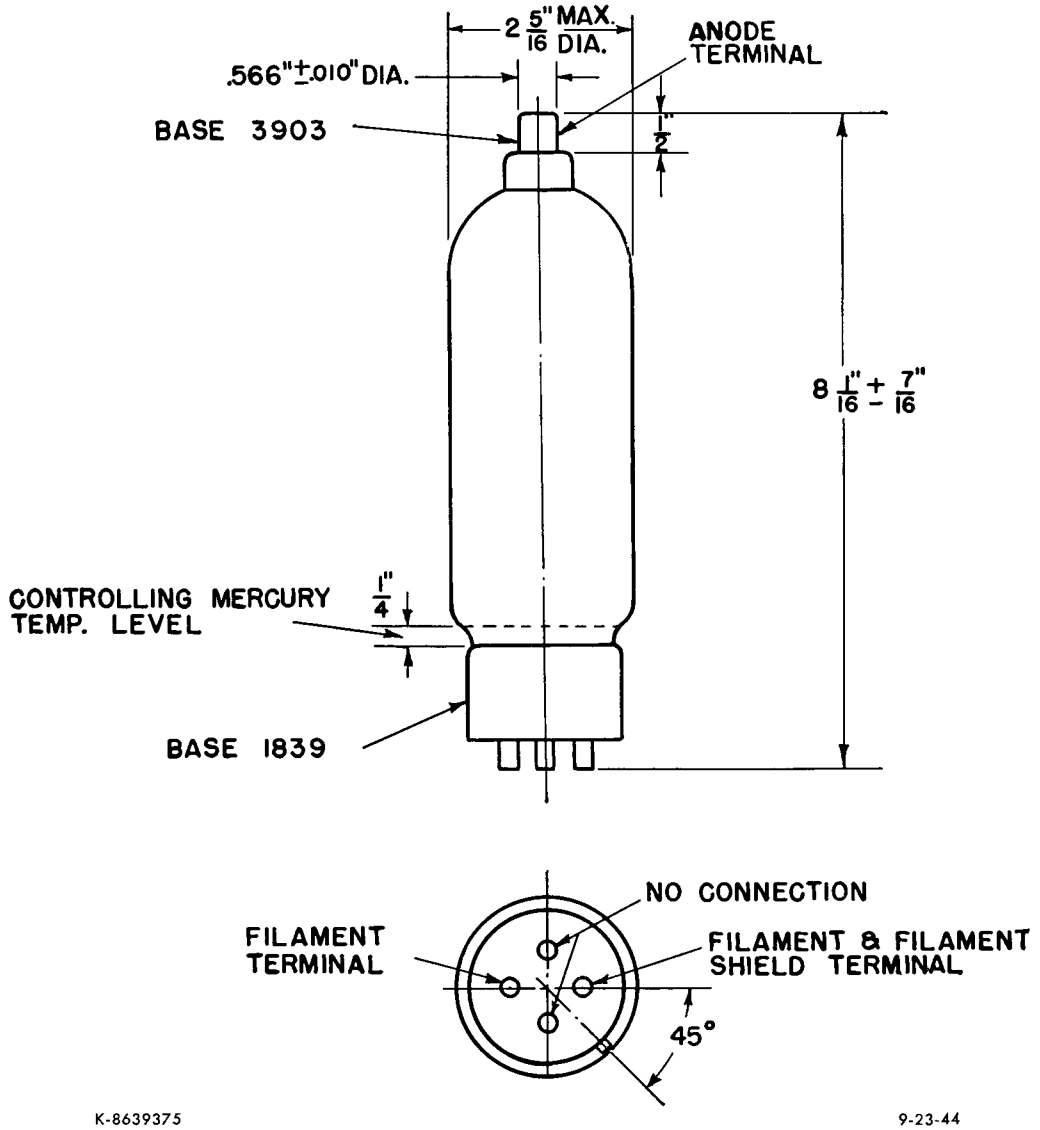
Electronic TUBE

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



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OUTLINE
GL-872-A/872 PHANOTRON

Electronics Department
GENERAL ELECTRIC
Schenectady, N. Y.