



MERCURY-VAPOR RECTIFIER

DESCRIPTION

The GL-816 half-wave, mercury-vapor rectifier, is used in transmitting equipment where a tube with a lower power rating than the 866-A/866 is required. The maximum peak inverse voltage of 5000 volts and the peak plate current of 0.5

ampere are one-half the 866-A/866 values.

Two 816's operating in a full-wave rectifier circuit are capable of delivering to the input of a choke-input filter a rectified voltage of approximately 1600 volts at 0.25 ampere with good regulation.

TECHNICAL INFORMATION

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

GENERAL CHARACTERISTICS

Number of electrodes.....	2
Electrical	
Cathode—Filamentary	
Voltage.....	2.5 volts
Current, approximate.....	2 amperes
Heating time, typical.....	10 seconds
Tube voltage drop, approximate.....	15 volts
Mechanical	
Cap.....	small, C1-1
Base.....	small 4-pin, A4-5
Net weight, approximate.....	3 ounces
Shipping weight, approximate.....	3 pounds
Mounting position.....	vertical, base down

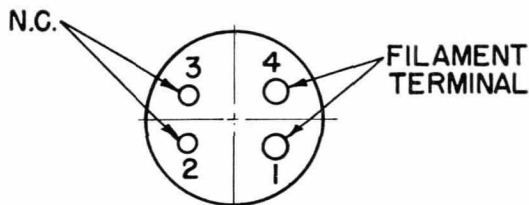
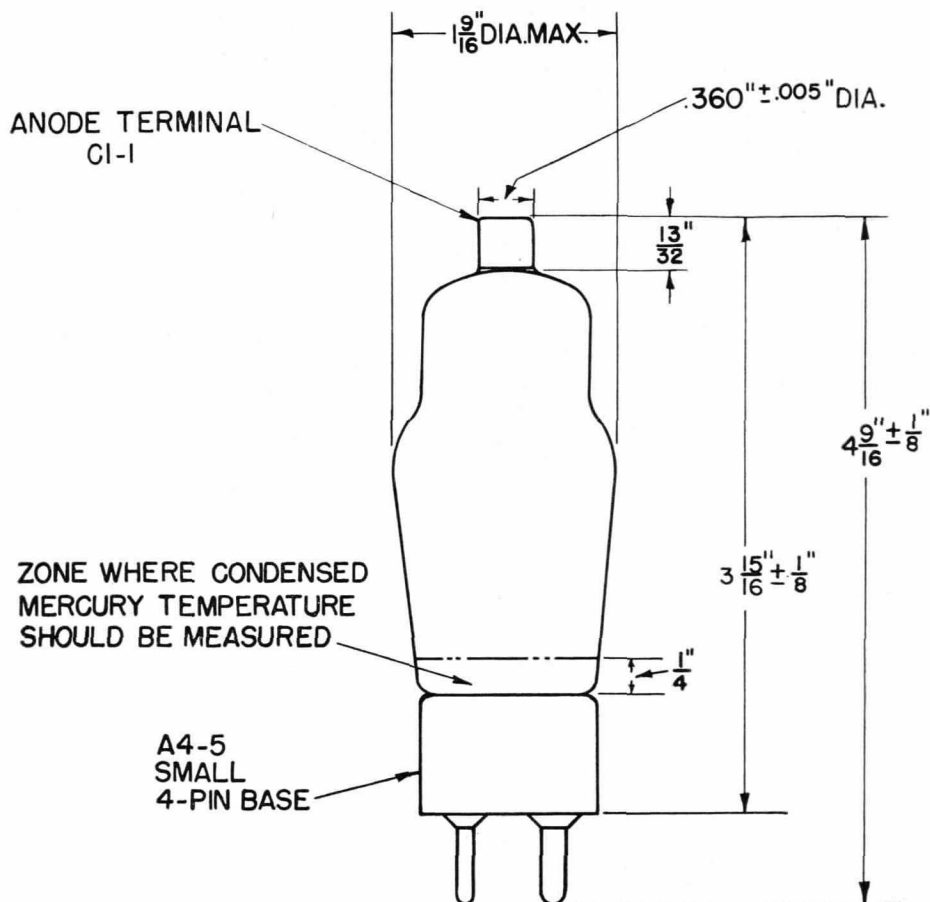
GENERAL  ELECTRIC


Electronic
TUBE

TECHNICAL INFORMATION (CONT'D)

MAXIMUM RATINGS

Maximum peak inverse anode voltage	
150 cycles per second or less.....	5000 volts
Condensed mercury temperature.....	20-60 centigrade
Maximum anode current	
Instantaneous.....	0.5 ampere
Average.....	0.125 ampere



GL-816 OUTLINE

K-9033898

7-26-45