



HIGH-VACUUM RECTIFIER

DESCRIPTION

The GL-836 is a half-wave, high-vacuum rectifier with two separate cathodes each of which is connected to its respective heater. The excellent voltage regulation characteristic of this tube is due to

the close spacing of the cathode and plate. The double-cathode construction and the close spacing of the electrodes result in a tube with excellent voltage regulation characteristics.

TECHNICAL INFORMATION

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

GENERAL CHARACTERISTICS

Number of electrodes.....	2
Electrical	
Cathode—Indirectly-heated	
Voltage.....	2.5 volts
Current.....	5.0 amperes
Heating time (before applying plate voltage).....	40 seconds
Tube voltage drop, approx (see curve), $I_b = 250$ ma.....	45 volts


Electronic
TUBE

GENERAL  ELECTRIC

TECHNICAL INFORMATION (CONT'D)

Mechanical

Type of cooling.....	convection
Maximum ambient temperature.....	60 centigrade
Base description.....	medium 4-pin bayonet
Cap.....	medium
Maximum over-all dimensions (see outline)	
Length.....	$6\frac{9}{16}$ inches
Diameter.....	$2\frac{7}{16}$ inches
Mounting position.....	any
Net weight, approx.....	3 ounces

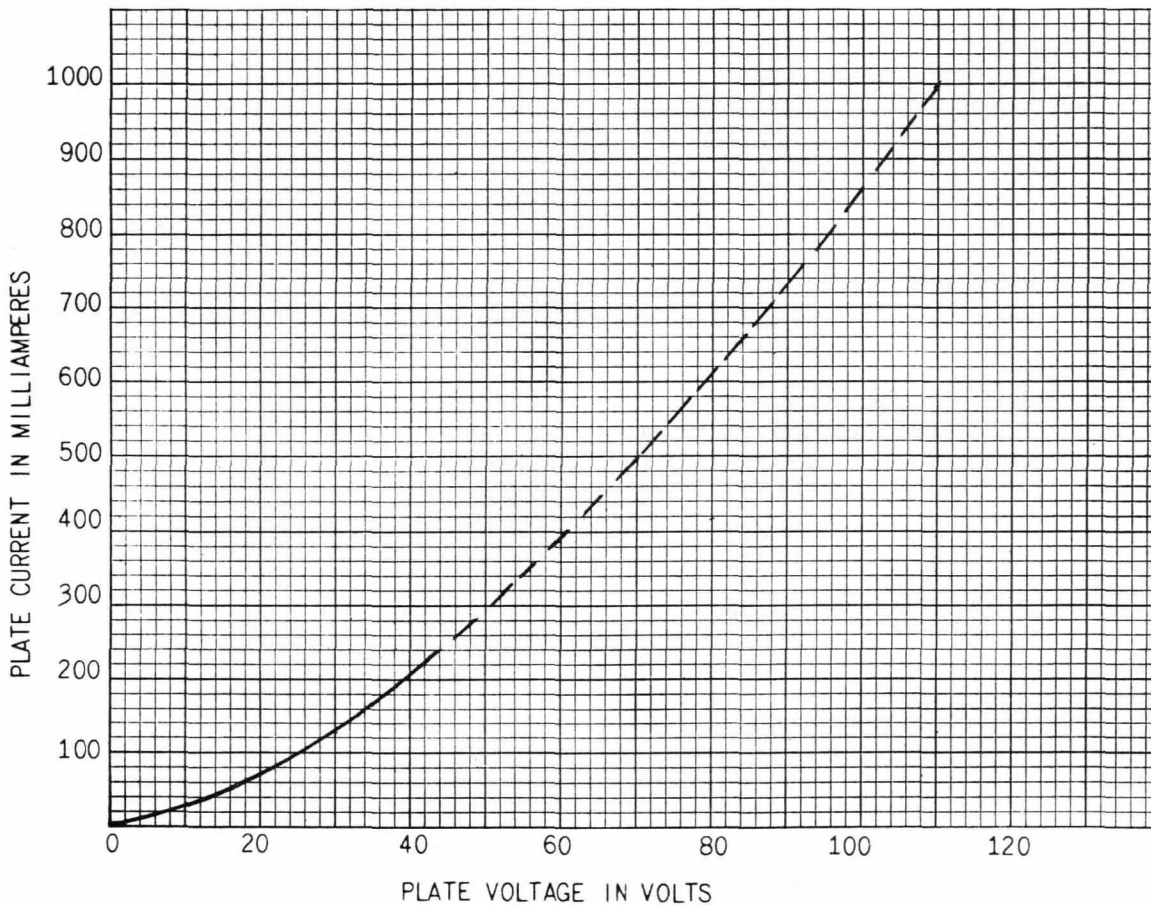
MAXIMUM RATINGS

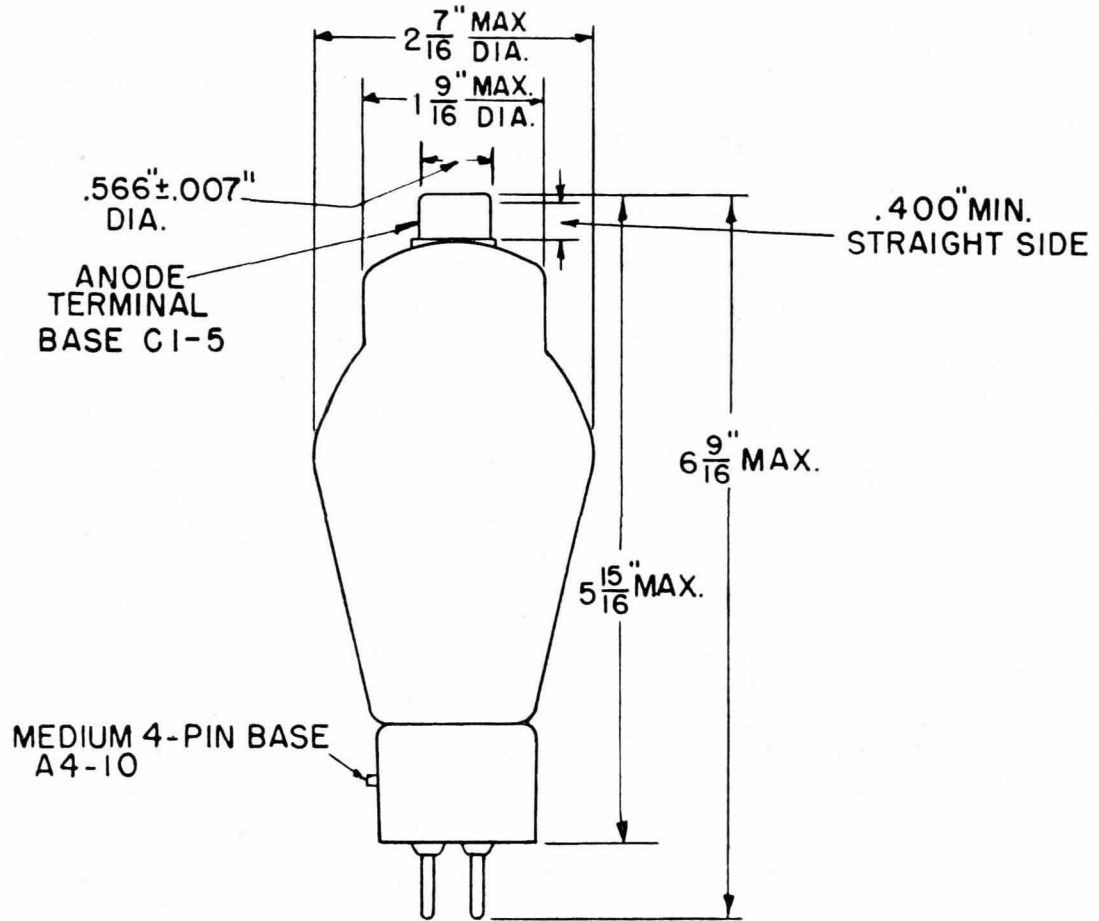
Rectifier operation

Peak inverse voltage.....	5000 volts
Peak plate current.....	1.0 ampere
Average plate current.....	0.25 ampere

GL-836

AVERAGE PLATE CHARACTERISTIC

 $E_i = 2.5$ VOLTS D-C



GL-836 OUTLINE

Electronics Department
GENERAL ELECTRIC
Schenectady, N. Y.