I-V

HALF-WAVE HIGH-VACUUM RECTIFIER

The 1-v supersedes the mercury-vapor type 1 and is interchangeable with it.

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.
Maximum Overall Length		4-3/16"
Maximum Diameter		1-9/16"
Bulb		ST-12
Base		Small 4-Pin
Pin 1 - Heater		Pin 3 - Cathode
Pin 2 - Plate		Pin 4 - Heater
Mounting Position	BOTTOM VIEW (4G)	Any

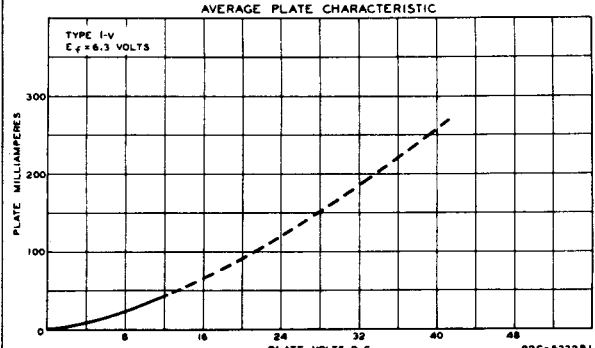
HALF-WAVE RECTIFIER

Peak Inverse Voltage			1000 max.	volts
Peak Plate Current			270 max.	ma.
D-C Heater-Cathode Potential			500 max.	volts
Typical Operation with Condenser-Input Filter:				
A-C Plate Voltage (RMS)	117	150	325 max.	volts
Total Effective Plate-Supply Impedance ▲	0 min.	30 min.	75 min.	ohms
D-C Output Current	45 max.	45 max.	45 max.	ma.

■ Under no condition of operation should the normal operating heater voltage of 6.3 volts ever fluctuate to exceed a maximum of 7.5 volts.

▲ When a filter-input condenser larger than 40 μf is used, it may be necessary to use more plate-supply impedance than the minimum value shown to limit the peak plate current to the rated value.

AVERAGE PLATE CHARACTERISTIC



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OPERATION CHARACTERISTICS