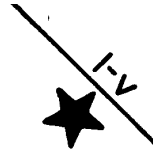




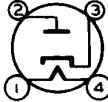
I-V



HALF-WAVE HIGH-VACUUM RECTIFIER

The I-v supersedes the mercury-vapor type I 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

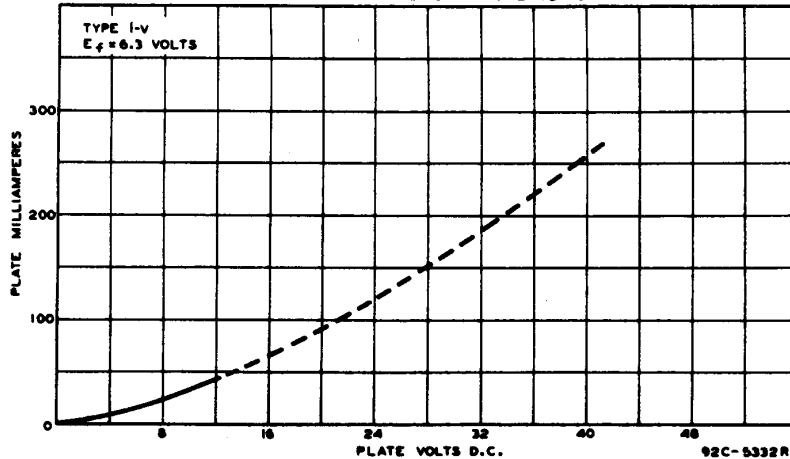


HALF-WAVE RECTIFIER

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 μ f 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



FEB. 2, 1940

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DATA

I-V

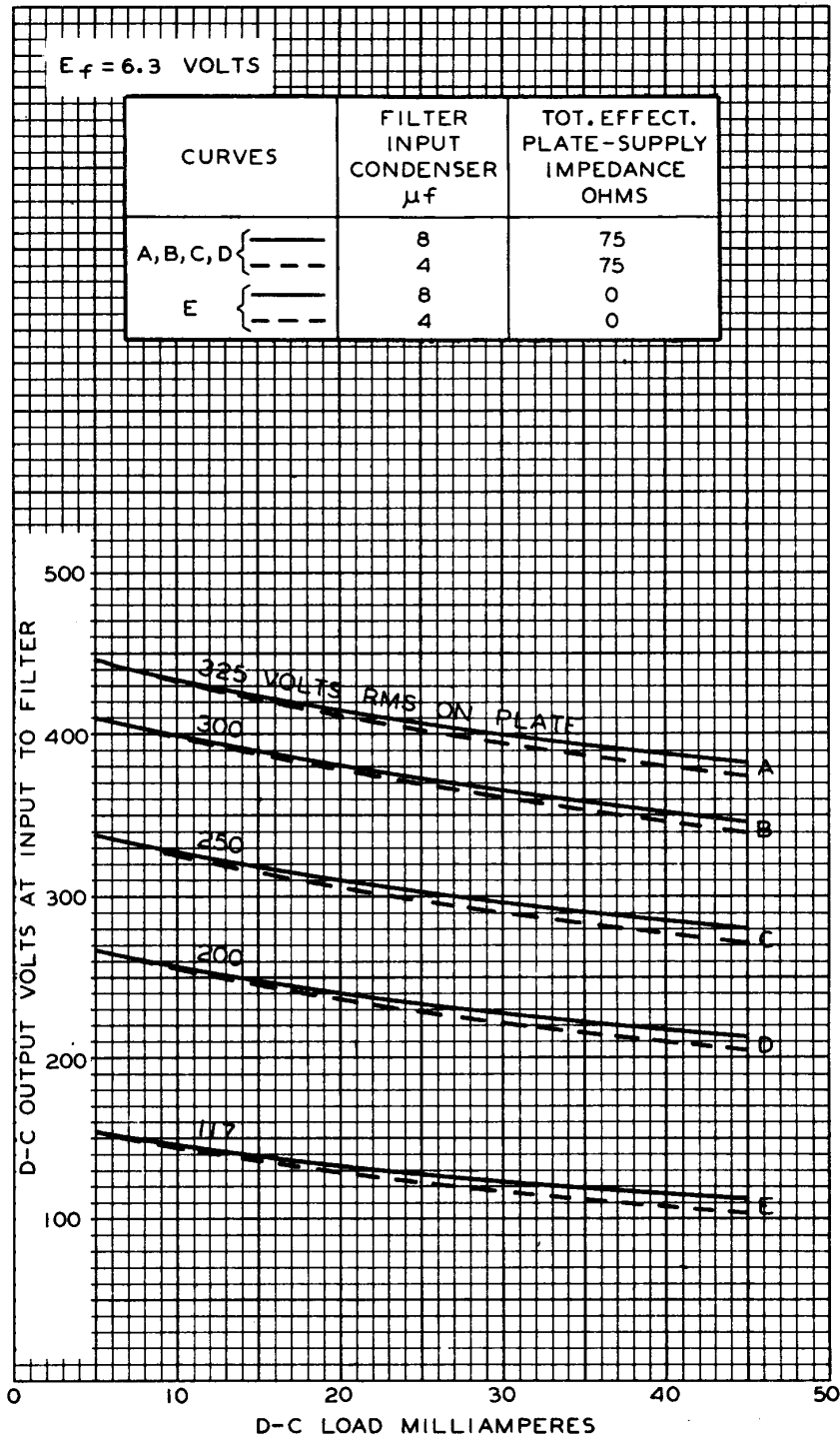


I-V

OPERATION CHARACTERISTICS

$E_f = 6.3$ VOLTS

CURVES	FILTER INPUT CONDENSER μf	TOT. EFFECT. PLATE-SUPPLY IMPEDANCE OHMS
A, B, C, D {	8	75
	4	75
E {	8	0
	4	0



DEC. 29, 1939

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92C-5362 R2