



1-v

Description and Rating

HALF-WAVE HIGH-VACUUM RECTIFIER

GENERAL DESCRIPTION

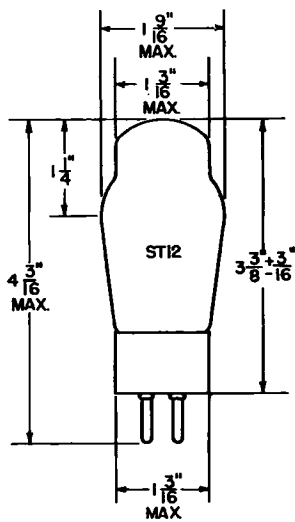
Principal Application: The 1-v is a glass type half-wave high-vacuum rectifier with an indirectly

heated cathode. It is especially designed for use in a-c/d-c and automobile receivers.

Cathode: Coated Unipotential
 Heater Voltage (A-C or D-C) 6.3 Volts
 Heater Current 0.3 Ampere

Envelope: ST-12 Glass
 Base: A4-5 Small 4-Pin, Phenolic
 Mounting Position: Any

PHYSICAL DIMENSIONS

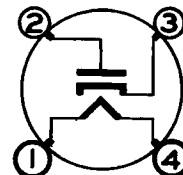


RMA 12-5

BASING DIAGRAM

TERMINAL CONNECTIONS

- Pin 1 - Heater
- Pin 2 - Plate
- Pin 3 - Cathode
- Pin 4 - Heater



RMA 4G
BOTTOM VIEW

MAXIMUM RATINGS

	Design Center	Absolute	
D-C Heater to Cathode Potential	500	550	Volts
Peak Inverse Voltage	1000	1100	Volts
Steady-State Peak Plate Current	270	297	Milliamperes
A-C Plate Voltage per Plate (RMS) Capacitor Input	325	358	Volts
D-C Output Current	45	50	Milliamperes

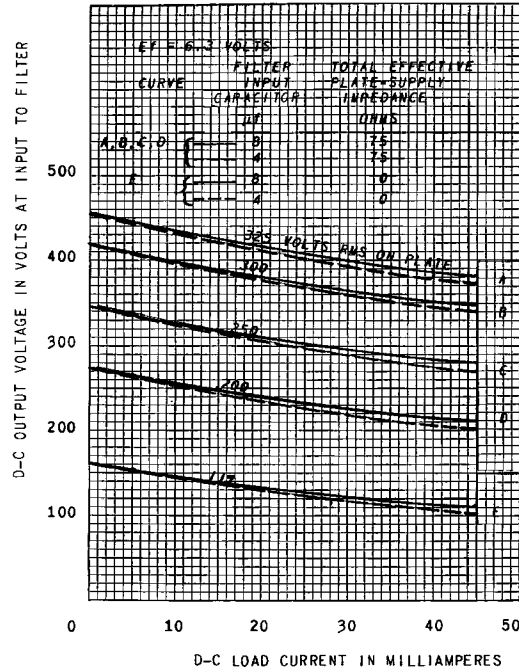
RATINGS AND CHARACTERISTICS

	6.3	6.3	6.3	
CAPACITOR INPUT TO FILTER				
Heater Voltage	6.3	6.3	6.3	Volts
A-C Plate Voltage (RMS)	117	150	325	Volts
D-C Output Current (Maximum)	45	45	45	Milliamperes
Minimum Total Effective Plate Supply Impedance#	0	30	75	Ohms

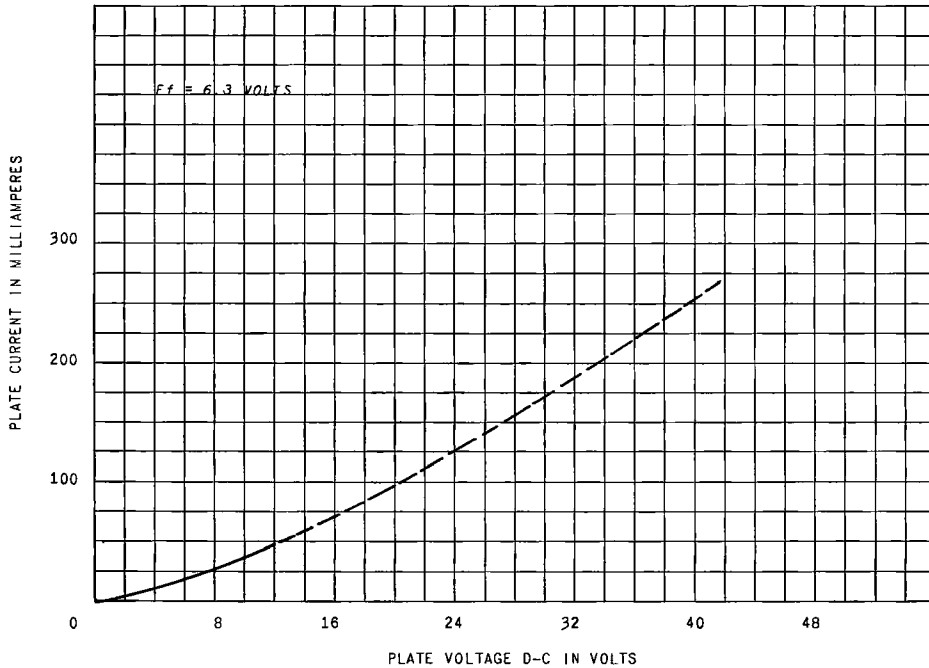
TUBE VOLTAGE DROP
 Measured with Applied D-C at 30 Milliamperes Plate Current 20 Volts

When filter capacitors larger than 40 Microfarads are used, it may be necessary to add additional plate supply impedance.

OPERATION CHARACTERISTICS



AVERAGE PLATE CHARACTERISTICS



TUBE DEPARTMENT
GENERAL ELECTRIC
 Schenectady 5, N. Y.