

Description and Rating

HALF-WAVE HIGH-VACUUM RECTIFIER

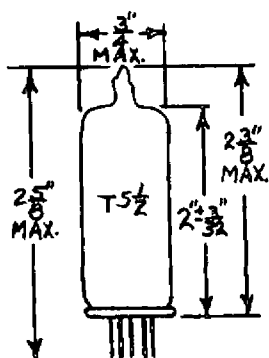
GENERAL DESCRIPTION

Principal Application: The 35C3 is a miniature half-wave high vacuum rectifier designed for use in a-c/d-c receivers. This tube is similar to the 35W4 but does not have a tapped heater for pilot lamp operation.

Cathode:Coated Unipotential
Heater Voltage (AC or DC):.....35.0 Volts
Heater Current:.....0.15 Ampere

Envelope:.....T-5½ Glass
Base:.....E7-1, Miniature Button 7 Pin
Mounting Position:.....Any

PHYSICAL DIMENSIONS

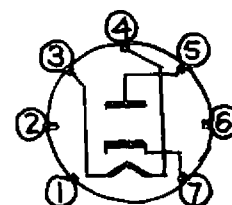


RETMA 5-3

TERMINAL CONNECTIONS

Pin 1 - No Connection
Pin 2 - No Connection
Pin 3 - Heater
Pin 4 - Heater
Pin 5 - Plate
Pin 6 - No Connection
Pin 7 - Cathode

BASING DIAGRAM



RETMA 7ET

BOTTOM VIEW

MAXIMUM RATINGS

DESIGN CENTRE VALUES:

Peak Inverse Plate Voltage	330	.....
Steady-State Peak Plate Current	600	.....
Steady-State D-C Output Current	100	.....
Peak Heater-Cathode Voltage	330	.....

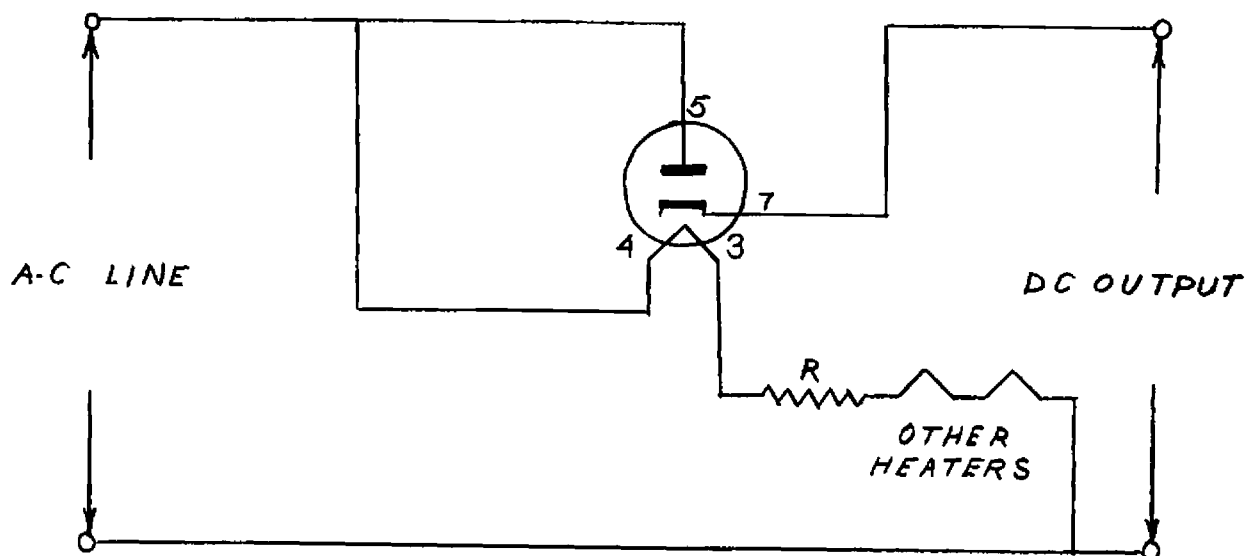
Volts
Milliamperes
Milliamperes
Volts

CHARACTERISTICS AND TYPICAL OPERATION

HALF-WAVE RECTIFIER - CAPACITOR -INPUT FILTER

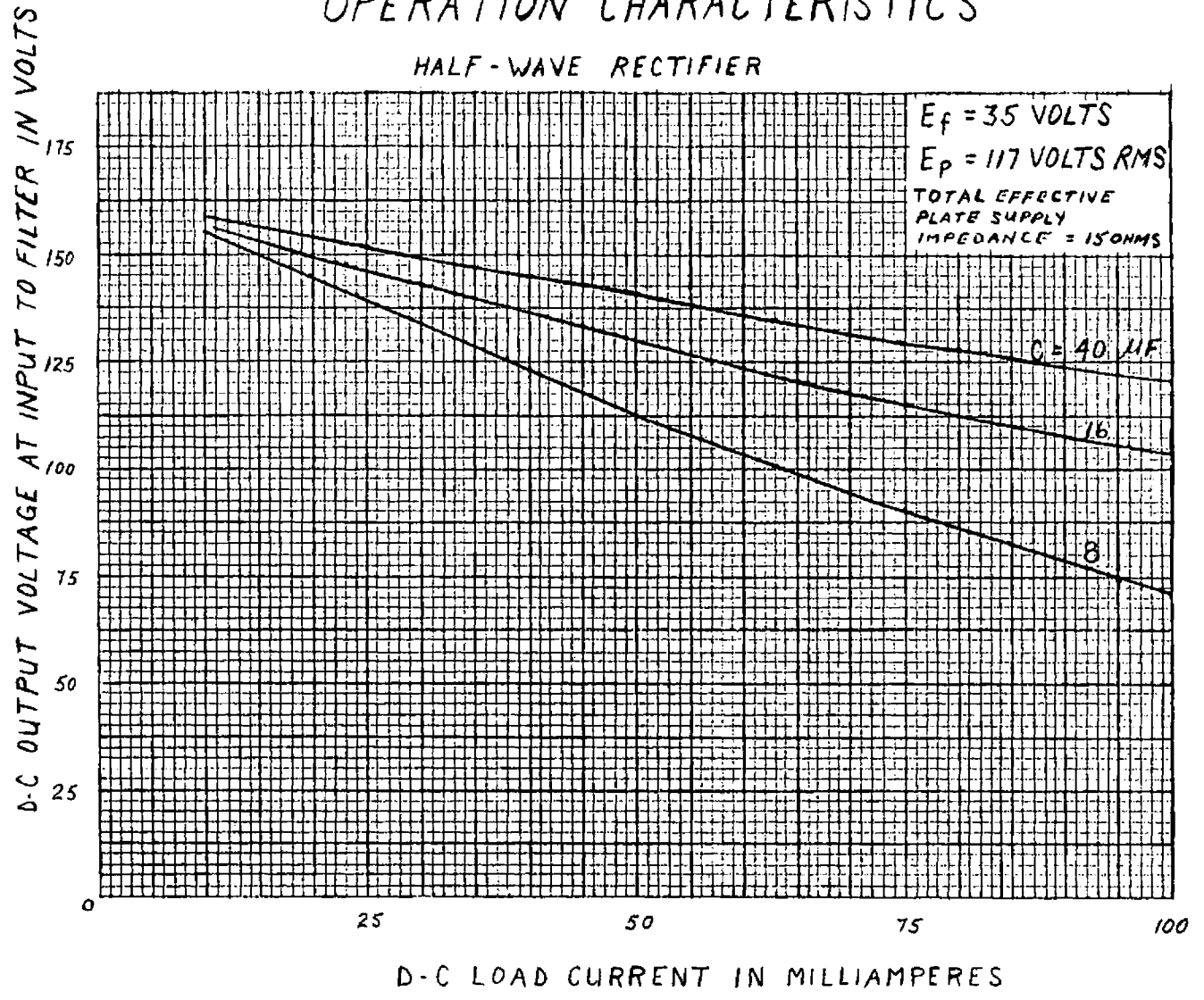
Heater Voltage	35	.....	Volts
Heater Current	150	.....	Milliamperes
A-C Plate Supply Voltage (RMS).....	117	.....	Volts
Filter Input Capacitor	40	.....	Microfarads
Minimum Total Effective Plate Supply Impedance	15	.....	Ohms
D-C Output Current	100	.....	Milliamperes
D-C Output Voltage at Input to Filter (Approx.)			
At 50 Milliamperes Load Current.....	135	.....	Volts
At 100 Milliamperes Load Current.....	120	.....	Volts
Tube Voltage Drop:			
Measured with Applied D-C at 200 Milliamperes ..	18	.....	Volts

TYPICAL CIRCUIT



OPERATION CHARACTERISTICS

HALF-WAVE RECTIFIER



AVERAGE PLATE CHARACTERISTICS

