



35Y4

Description and Rating
HALF-WAVE RECTIFIER

GENERAL DESCRIPTION

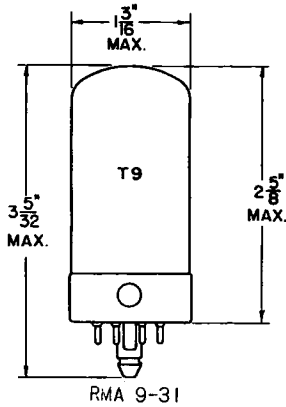
Principal Application: The 35Y4 is a half-wave high-vacuum rectifier designed for use in a-c/d-c receivers. The heater is tapped to permit operation of a panel lamp. It is recommended that the plate

be connected to the heater tap so that the plate current will pass through the panel lamp and the tapped section of the heater.

Cathode: Coated Unipotential
 Heater Voltage (A-C or D-C) 35.0 Volts
 Heater Tap Voltage* 7.5 Volts
 Heater Current 0.15 Ampere

Envelope: T-9 Glass
 Base: DB-1 Locking-In 8-Pin
 Mounting Position: Any

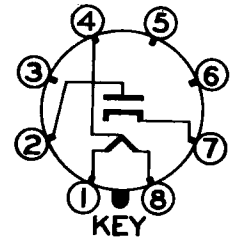
PHYSICAL DIMENSIONS



TERMINAL CONNECTIONS

- Pin 1 - Heater
- Pin 2 - Plate
- Pin 3 - No Connection
- Pin 4 - Heater Tap
- Pin 5 - No Connection
- Pin 6 - No Connection
- Pin 7 - Cathode
- Pin 8 - Heater

BASING DIAGRAM



RMA 5AL
 BOTTOM VIEW

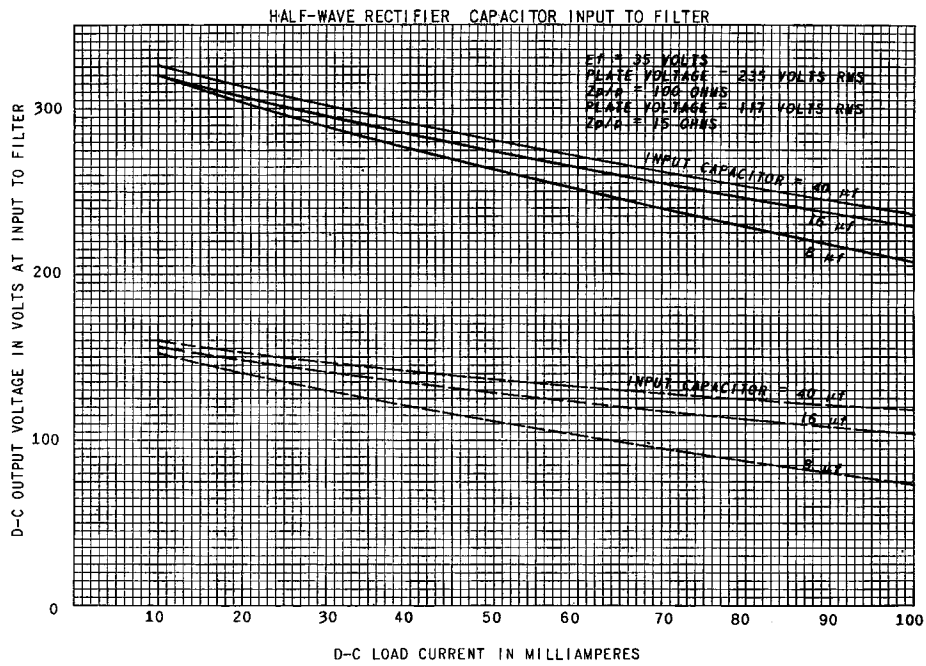
MAXIMUM RATINGS

DESIGN CENTER VALUES:		
Peak Inverse Voltage	700	Volts
Peak Plate Current	600	Milliamperes
A-C Plate Voltage (RMS)	235	Volts
D-C Output Current		
Without Panel Lamp	100	Milliamperes
With Panel Lamp and Shunting Resistor	90	Milliamperes
With Panel Lamp and No Shunting Resistor	60	Milliamperes
Panel Lamp Shunting Resistor		
For 70 Milliamperes D-C Output Current	800	Ohms
For 80 Milliamperes D-C Output Current	400	Ohms
For 90 Milliamperes D-C Output Current	250	Ohms
Heater Tap Voltage (RMS) When Panel Lamp Fails	15	Volts
D-C Heater-Cathode Voltage	350	Volts
Tube Voltage Drop **	20	Volts

* Between pins number 1 and number 4 with 0.15 ampere flowing between pins number 1 and number 8.

** At 200 milliamperes d-c plate current.

OPERATION CHARACTERISTICS



Electronics Department

GENERAL  ELECTRIC

Schenectady, N. Y.