



35Z3

Description and Rating

HALF-WAVE HIGH-VACUUM RECTIFIER

GENERAL DESCRIPTION

Principal Application: The 35Z3 is a half-wave high-vacuum rectifier designed for use in a-c/d-c receivers. Electrically the 35Z3 is equivalent to the

35Z5-GT except that the heater of the 35Z3 is not tapped for operation of a panel lamp.

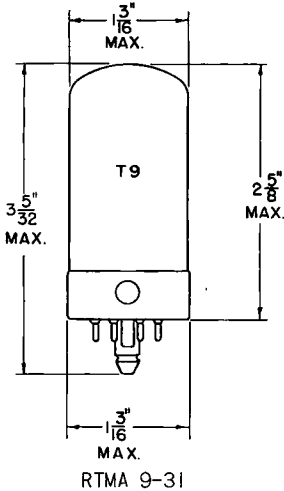
Cathode: Coated Unipotential
 Heater Voltage (A-C or D-C) 35.0 Volts
 Heater Current 0.15 Ampere

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

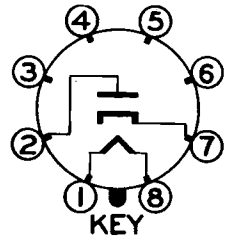
PHYSICAL DIMENSIONS

TERMINAL CONNECTIONS

BASING DIAGRAM



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



RTMA 4Z
 BOTTOM VIEW

MAXIMUM RATINGS

DESIGN CENTER VALUES:

Peak Inverse Plate Voltage	700	Volts
Steady-State Peak Plate Current	600	Milliamperes
D-C Output Current	100	Milliamperes
Heater-Cathode Voltage	350	Volts

CHARACTERISTICS AND TYPICAL OPERATION

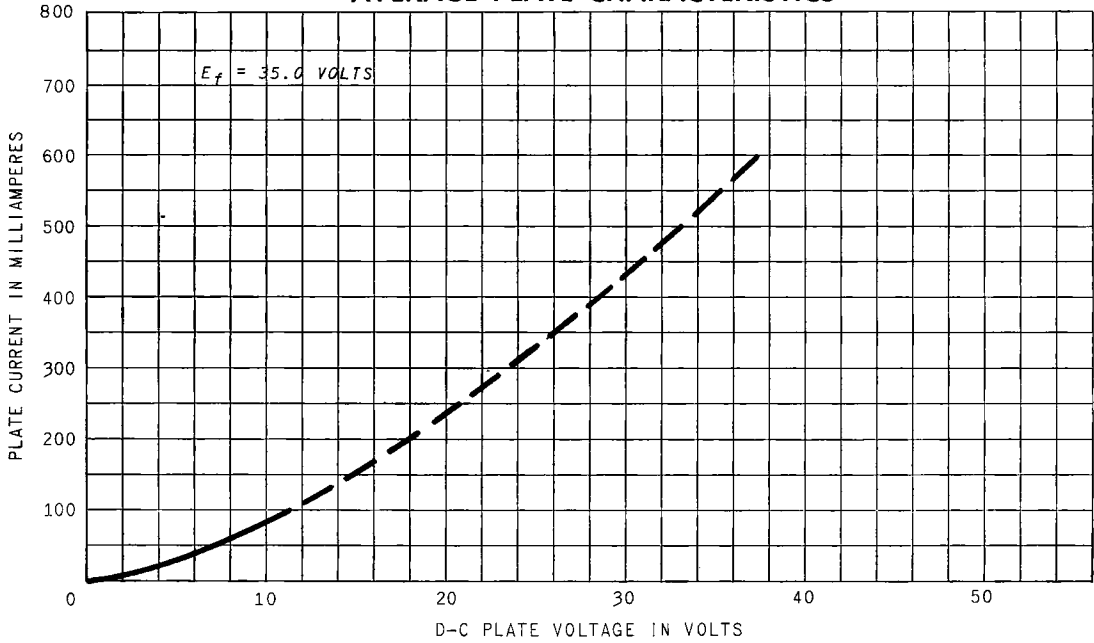
HALF-WAVE RECTIFIER - CAPACITOR-INPUT FILTER

A-C Plate Supply Voltage (RMS)	117	235	Volts
Filter Input Capacitor	40	40	Microfarads
Total Effective Plate Supply Impedance	15	100	Ohms
D-C Output Current	100	100	Milliamperes
D-C Output Voltage at Filter Input: (Approx)			
For D-C Output Current of 50 Milliamperes	140	280	Volts
For D-C Output Current of 100 Milliamperes	120	235	Volts

Tube Voltage Drop:

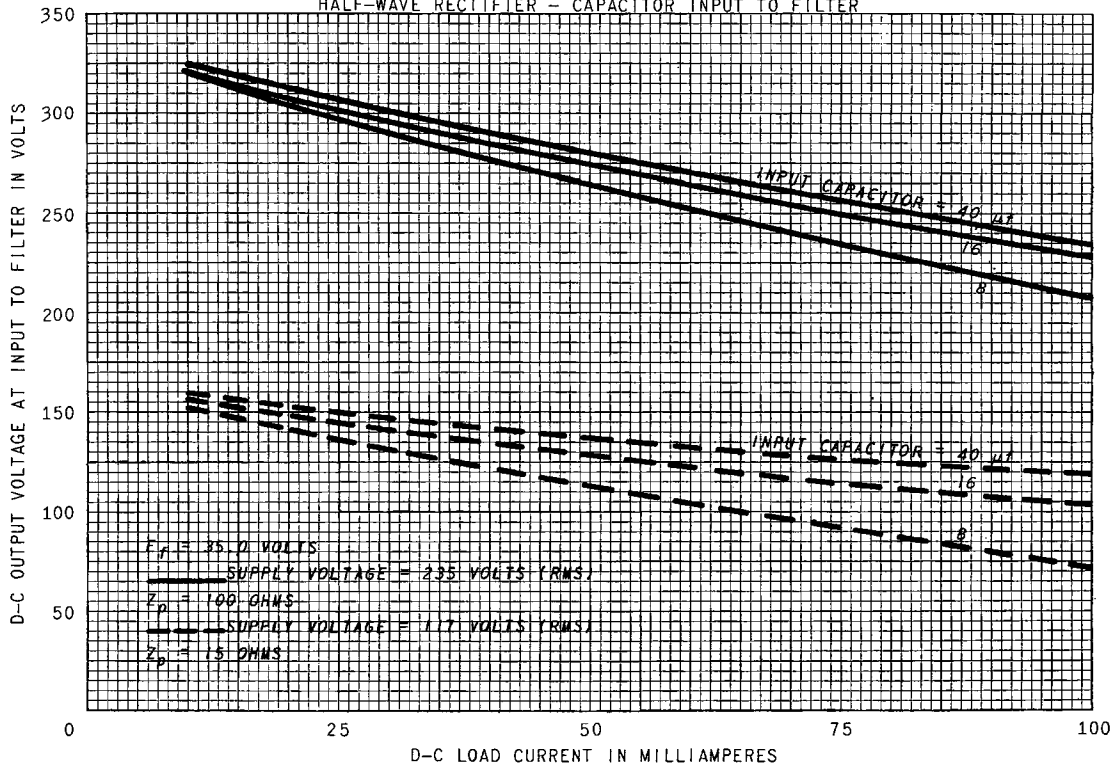
Measured with Applied D-C at 200 Milliamperes 18 Volts

AVERAGE PLATE CHARACTERISTICS



OPERATION CHARACTERISTICS

HALF-WAVE RECTIFIER - CAPACITOR INPUT TO FILTER



Tube Divisions, Electronics Department



Schenectady, N. Y.