## Half-Wave Vacuum Rectifier

### 7-PIN MINIATURE TYPE With Heater Having Controlled Warm-Up Time

### GENERAL DATA

Heatera, for Unipotential Cathode: Voltage (AC or DC):	,ol+o
	volts
Tap-section (Pins 3 and 6)0.1 ± 6% Warm-up time (Average)20	amp sec
Mechanical:	
Operating Position.  Maximum Overall Length.  Asximum Seated Length.  Length, Base Seat to Bulb Top (Excluding tip).  Diameter.  O.650" to 0.  Dimensional Outline.  See General Sec Bulb.  TBase.  Small-Button Miniature 7-Pin (JEDEC No. Basing Designation for BOTTOM VIEW.	-3/8" 3/32" .750" ction 5-1/2 E7-1)
<u>4</u>	
Pin 1- No Connection  Pin 4- Heater Pin 5- Plate	
Pin 2-No Connection  Pin 6-Heater T	Гар
Pin 3 - Heater	
0	
HALF-WAVE RECTIFIER	
Maximum Ratings, Design-Maximum Values:	
PEAK INVERSE PLATE VOLTAGE	olts/ ma
DC OUTPUT CURRENT	ma
Heater negative with respect to cathode . 350 max. v	olts
	olts.
Typical Operation:	
In accompanying typical half-wave circuit with capacitor-input filter	
AC Plate Supply Voltage (RMS) 120 v	olts
Filter-Input Capacitor	μf
DC Output Current	ma
	olts

Electrical:

# **36AM3B**

#### Characteristics:

Tube-Voltage Drop for plate ma. = 150 . . . . 16 volts

- The heater of the 36AM3B is designed so that the heater section between pins 4 and 6 is used as a limiting resistance in the rectifier plate circuit (See accompanying fyptcal Half-Wave Circuit). This type is not designed for use with a panel lamp where the heater section between pins 4 and 6 is used as a panel-lamp shunt.
- **b** The DC component must not exceed 350 volts.
- The DC component must not exceed 100 volts.

### TYPICAL HALF-WAVE CIRCUIT

