Type RVD 125 is a miniature half-wave rectifier designed for use in line-operated equipment having series connected heaters, such as AC - DC radio receivers.

**GENERAL DATA**

**Electrical:**
- Cathode - Coated Unipotential.
- Heater Voltage AC or DC ............... 60 ± 10% volts.
- Heater Current ..................... 0.15 Amperes.

**Mechanical:**
- Mounting Position ..................... Any
- Maximum Overall Length ............. 2 5/8"
- Maximum Seated Length .............. 2 3/8"
- Length from base seat to bulb Top ........ 2" ± 3/32"
- Maximum Diameter .................... 2/4"
- Bulb ................................... T 5/8
- Base .................................... Small-Button 7-Pin

**MAXIMUM RATINGS**

**Rectifier Service-Design Maximum Values:**

- Peak Inverse Plate Voltage ............ 330 volts
- Steady state peak plate current ........ 720 milliamps
- D.C. output current .................... 120 milliamps
- Heater Cathode Voltage
  - Heater Positive with respect to cathode 330 volts
  - Heater Negative with respect to cathode 330 volts

**CHARACTERISTICS & TYPICAL OPERATION**

**Half wave Rectifier Service:**

- Heater voltage (Pins 3 to 4) ............ 60 volts
- Heater Current (Pins 3 to 4) ............. 150 milliamps
- A.C. Plate-supply voltage RMS ........... 117 volts
- Filter Input Capacitor .................. 40 microfarads
- Total effective plate supply impedance .. 15 ohms
- D.C. output current ..................... 110 milliamps
- D.C. output voltage at filter input,
  approximate for D.C. output current of
  55 milliamps .......................... 130 volts
  For D.C. output current of 110 milliamps
  ......................................... 110 volts
- Tube voltage drop
  IB = 240 milliamps D.C. .............. 21 volts

from JEDEC release #2570, Aug. 31, 1959
DIMENSIONAL OUTLINE

3/4" MAX.

2 5/8" MAX.

± 3/32" 2 3/8" MAX.

T 5 1/2

Small-Button 7-pin Base

Measured from base seat to bulb-top line as determined by ring gauge of 7/16" I.D.

SOCKET CONNECTIONS
(Bottom View)

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