RADIO VALVE COMPANY LIMITED

6OE3

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 .....3/4"
Bulb .....T 5½
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

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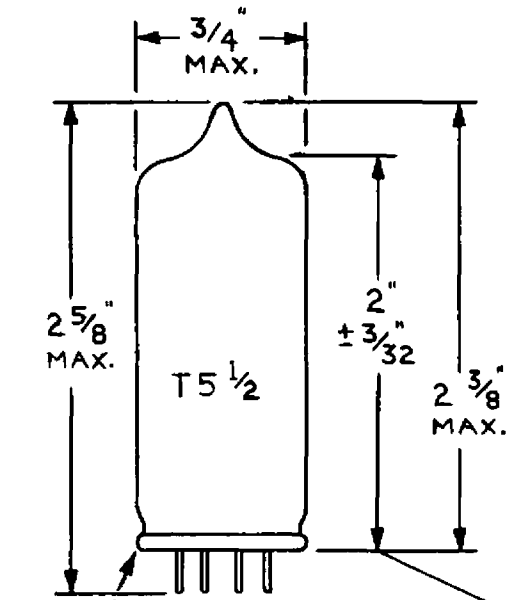
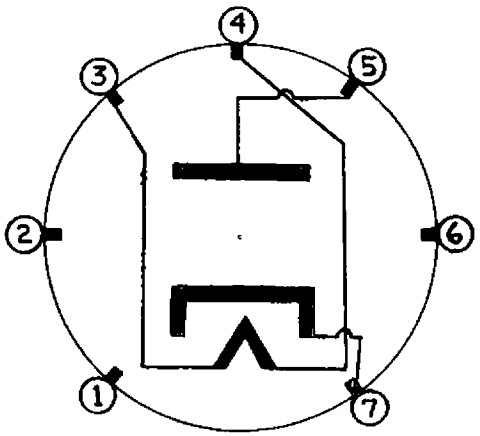
DIMENSIONAL OUTLINE



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

Small-Button 7-pin Base

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