

j. piltz Germany
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117Z3

HALF-WAVE VACUUM RECTIFIER

MINIATURE TYPE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage 117 ac or dc volts
Current 0.04 amp

Mechanical:

Mounting Position Any
Maximum Overall Length 2-5/8"
Maximum Seated Length 2-3/8"
Maximum Diameter 3-4"
Bulb T-5-1/2
Base Miniature Button 7-Pin
Basing Designation for BOTTOM VIEW 4CB

Pin 1 - Internal Con.-
Do Not Use
Pin 2 - No Connection
Pin 3 - Heater



Pin 4 - Heater
Pin 5 - Plate
Pin 6 - Cathode
Pin 7 - No Con.-

HALF-WAVE RECTIFIER

Maximum Ratings, Design-Center Values:

PEAK INVERSE PLATE VOLTAGE 330 max. volts
PEAK PLATE CURRENT 540 max. ma
DC OUTPUT CURRENT 90 max. ma
HOT-SWITCHING TRANSIENT PLATE CURRENT
For duration of 0.2 second maximum 2.5 max. amp
PEAK HEATER-CATHODE VOLTAGE:
Heater negative with respect to cathode. . . 175 max. volts
Heater positive with respect to cathode. . . 100 max. volts

Typical Operation with Capacitor-Input to Filter:

AC Plate-Supply Voltage (RMS) 117 volts
Filter-Input Capacitor 30 μf
Min. Total Effective Plate-Supply Impedance. . . 20 ohms
DC Output Current 90 ma
DC Output Voltage at Input to Filter (Approx.):
At half-load current (45 ma.) 130 volts
At full-load current (90 ma.) 110 volts
Voltage Regulation (Approx.):
Half-load to full-load current 20 volts

← Indicates a change.

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TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA