



117Z4-GT

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HALF-WAVE VACUUM RECTIFIER

GENERAL DATA

Electrical:

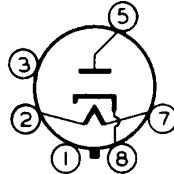
Heater, for Unipotential Cathode:

Voltage. . . . . 117 . . . . . ac or dc volts
Current. . . . . 0.04 . . . . . amp

Mechanical:

Mounting Position. . . . . Any
Maximum Overall Length . . . . . 3"
Maximum Seated Length. . . . . 2-7/16"
Maximum Diameter . . . . . 1-9/32"
Bulb . . . . . T-9
Base . . . . . Intermediate-Shell Octal 6-Pin
Basing Designation for BOTTOM VIEW . . . . . 5AA

Pin 1 - No Connection
Pin 2 - Heater
Pin 3 - No Connection



Pin 5 - Plate
Pin 7 - Heater
Pin 8 - Cathode

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Maximum Ratings, Design-Center Values:

PEAK INVERSE PLATE VOLTAGE . . . . . 350 max. volts
PEAK PLATE CURRENT . . . . . 540 max. ma
DC OUTPUT CURRENT. . . . . 90 max. ma
PEAK HEATER-CATHODE VOLTAGE:
Heater negative with respect to cathode 175 max. volts
Heater positive with respect to cathode 175 max. volts

Typical Operation with Capacitor-Input to Filter:

AC Plate-Supply Voltage (RMS). . . . . 117 volts
Filter-Input Capacitor . . . . . 40 uf
Min. Total Effective Plate-Supply Impedance\* 30 ohms
DC Output Current. . . . . 90 ma

\* When a filter-input capacitor larger than 40uf is used, it may be necessary to use more plate-supply impedance than the minimum value shown to limit the peak plate current to the rated value.