



5AZ4

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# FULL-WAVE VACUUM RECTIFIER

## GENERAL DATA

### Electrical:

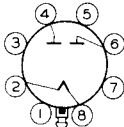
Filament, Coated:

Voltage. . . . . 5 . . . . . ac or dc volts  
 Current. . . . . 2 . . . . . amp

### Mechanical:

Mounting Position. . . . . Vertical, or Horizontal with pins  
 . . . . . 2 and 8 in horizontal plane  
 Maximum Overall Length . . . . . 3-5/32"  
 Maximum Seated Length. . . . . 2-5/8"  
 Maximum Diameter . . . . . 1-3/16"  
 Bulb . . . . . T-9  
 Base . . . . . Lock-in 8-Pin  
 Basing Designation for BOTTOM VIEW . . . . . 5T

Pin 1 - No  
 Connection  
 Pin 2 - Filament  
 Pin 3 - No  
 Connection  
 Pin 4 - Plate



Pin 5 - No  
 Connection  
 Pin 6 - Plate  
 Pin 7 - No  
 Connection  
 Pin 8 - Filament  
 Plug - Base Shell

## FULL-WAVE RECTIFIER

### Maximum Ratings, Design-Center Values:

PEAK INVERSE PLATE VOLTAGE . . . . . 1400 max. volts  
 PEAK PLATE CURRENT . . . . . 375 max. ma  
 DC OUTPUT CURRENT. . . . . 125 max. ma

### Typical Operation:

|  | Capacitor-<br>Input to<br>Filter | Choke-<br>Input to<br>Filter |         |
|--|----------------------------------|------------------------------|---------|
| AC Plate-to-Plate Supply<br>Voltage (RMS). . . . .                 | 100                              | 1000                         | volts   |
| Filter Input Capacitor . . . . .                                   | 4                                | -                            | µf      |
| Min. Total Effective Plate-Supply<br>Impedance per Plate*. . . . . | 50                               | -                            | ohms    |
| Min. Filter Input Choke . . . . .                                  | -                                | 5                            | henries |
| DC Output Current. . . . .   | 125                              | 125                          | ma      |

\* When the input capacitor of the filter exceeds 40 µf, it may be necessary to increase the plate-supply impedance in order to limit the peak current to the rated value.