5AZ4

5AZ4

FULL-WAVE VACUUM RECTIFIER

GENERAL DATA

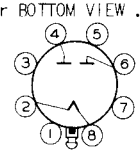
Electrical:

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-Input to Filter	Choke-Input to Filter	
AC Plate-to-Plate Supply Voltage (RMS)	700	1000	volts
Filter Input Capacitor	4	–	µf
Min. Total Effective Plate-Supply 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.