

Full-Wave Vacuum Rectifier

GENERAL DATA

Electrical:

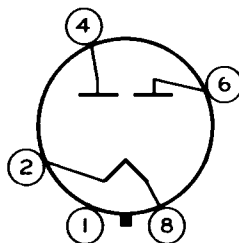
Filament, Coated:

Voltage (AC or DC)	5	volts
Current	3.7	amp

Mechanical:

Operating Position	Any
Maximum Overall Length	5-3/16"
Maximum Seated Length	4-5/8"
Diameter	1.438" to 1.562"
Bulb	T12
Base	Medium-Shell Octal 5-Pin, Arrangement 1 (JEDEC Group 1, No.B5-15)
Basing Designation for BOTTOM VIEW	5T

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



Pin 6 - Plate No.1
Pin 8 - Filament

FULL-WAVE RECTIFIER

Maximum Ratings, Design-Center Values:

PEAK INVERSE PLATE VOLTAGE	1550 max.	volts
AC PLATE SUPPLY VOLTAGE PER PLATE (RMS, without load)	See <i>Rating Chart</i>	
STEADY-STATE PEAK PLATE CURRENT PER PLATE	750 max.	ma
TRANSIENT PEAK PLATE CURRENT PER PLATE for duration of 0.2 second maximum.	4 max.	amp
DC OUTPUT CURRENT	See <i>Rating Chart</i>	

Typical Operation:

	With capacitor- input filter	With choke- input filter	
AC Plate-to-Plate Supply Voltage (RMS, without load)	900	1100	volts
Filter-Input Capacitor.	10	-	μ f
Filter-Input Choke.	-	10	henrys
Total Effective Plate Supply Impedance Per Plate	153	-	ohms
DC Output Voltage at input to filter	422	440	volts
DC Output Current	250	250	ma



5AW4

Characteristics:

Tube-Voltage Drop for plate ma. = 250
(Per plate). 46 volts

RATING CHART

