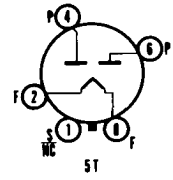
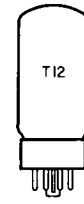
5AS4A — FULL-WAVE POWER RECTIFIER

Filamentary Twin Diode

Construction .....Octal T-12
Base .....B5-121 or B8-118
Basing[1].....5T
Outline 12-15
Maximum Diameter .....1.563 In.
Maximum Seated Height .....3.688 In.
Maximum Overall Height .....4.250 In.





ELECTRICAL DATA

FILAMENT OPERATION

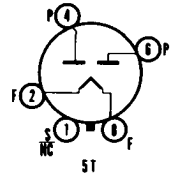
Filament Voltage		5.0 Volts
Filament Current		3000 Ma
RATINGS (Design Center Rating System)		
Rectifier Service[2]		
Peak Inverse Plate Voltage (Max.)		1550 Volts
AC Plate Supply Voltage (Each Plate, RMS) (Max.)		550 Volts
DC Output Current (Each Plate) (Max.)		87.5 Ma
Steady State Peak Plate Current (Each Plate) (Max.)		1000 Ma
Transient Peak Plate Current (Each Plate) (Max.)		4600 Ma
CHARACTERISTICS AND TYPICAL OPERATION		
Full-Wave Rectifier—Capacitor Input Filter		
AC Plate Supply Voltage (Each Plate, RMS)[3]	300	450 Volts
Filter Input Capacitor	40	40 μf
Effective Plate-Supply Resistance (Each Plate)	21	67 Ohms
DC Output Current	300	275 Ma
DC Output Voltage at Filter Input	290	460 Volts
Full-Wave Rectifier—Choke Input Filter		
AC Plate Supply Voltage (Each Plate, RMS)[3]		550 Volts
Filter Input Choke		10 Henrys
DC Output Current		275 Ma
DC Output Voltage at Filter Input		420 Volts
Tube Voltage Drop for Ib = 275 Ma (Each Plate)		50 Volts
300 Ma (Each Plate)		54 Volts

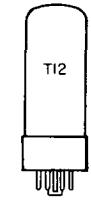
NOTES:
(1) Horizontal Operation is permitted if Pins 1 and 4 are in a vertical plane.
(2) For use with Sinusoidal supply voltages within the frequency range of 25 to 1000 Hertz.
(3) AC plate voltage is measured without load.

5AU4 — FULL-WAVE POWER RECTIFIER

Filamentary Twin Diode

Construction .....Octal T-12
Base .....B8-114 or B8-118
Basing[1].....5T
Outline 12-26
Maximum Diameter .....1.563 In.
Maximum Seated Height .....4.063 In.
Maximum Overall Height .....4.625 In.





ELECTRICAL DATA

FILAMENT OPERATION

Filament Voltage	5.0 Volts
Filament Current	3750 Ma
RATINGS (Design Center Rating System)	
Rectifier Service[2]	
Peak Inverse Plate Voltage (Max.)	1400 Volts
AC Plate Supply Voltage (Each Plate, RMS) (Max.)	500 Volts