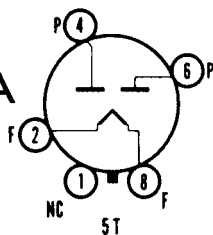


SYLVANIA TYPE 5AS4A

F-W RECTIFIER



MECHANICAL DATA

Bulb.....	T-12
Base.....	B5-121, Short Medium Shell Octal 5-Pin or B8-118 Short Medium Shell Octal 8-Pin
Outline.....	12-15
Basing.....	5T
Cathode.....	Coated Filament
Mounting Position ¹	Vertical

ELECTRICAL DATA

FILAMENT CHARACTERISTICS

Filament Voltage, AC or DC.....	5.0 Volts
Filament Current.....	3.0 Amperes

RATINGS (Design Center Values)²

Rectifier Service³

Peak Inverse Plate Voltage.....	1550 Volts Max.
AC Plate Supply Voltage Each Plate, RMS (See Rating Chart I).....	550 Volts Max.
DC Output Current.....	See Rating Chart I
Steady State Peak Plate Current Each Plate (See Rating Chart II).....	1.0 Amperes Max.
Transient Peak Plate Current Each Plate (See Rating Chart III).....	4.6 Amperes Max.

AVERAGE CHARACTERISTICS

Tube Voltage Drop	
Tube Conducting:	
275 Ma Each Plate.....	50 Volts
300 Ma Each Plate.....	54 Volts

TYPICAL OPERATION

Full Wave Rectifier—Capacitor Input Filter

AC Plate Supply Voltage Each Plate, RMS ⁴ ...	300	450 Volts
Filter Input Capacitor.....	40	40 μ f
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 ⁴	550 Volts
Filter Input Choke.....	10 Henrys
DC Output Current.....	275 Ma
DC Output Voltage at Filter Input.....	420 Volts

NOTES:

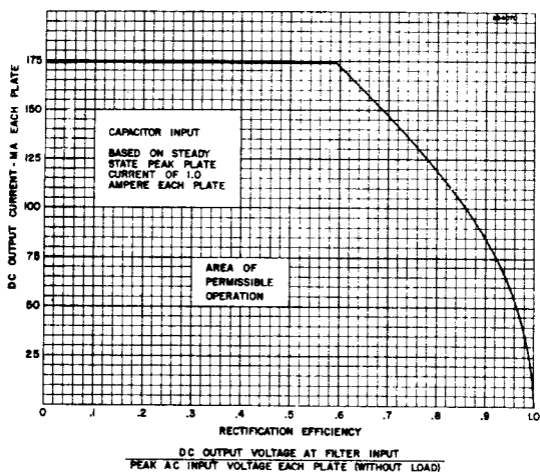
1. Horizontal Operation is permitted if Pins 1 and 4 are in a vertical plane.
2. See "Interpretation of Rating Charts".
3. For use with sinusoidal supply voltages within the frequency range of 25 to 1000 cps.
4. AC plate voltage is measured without load.

APPLICATION

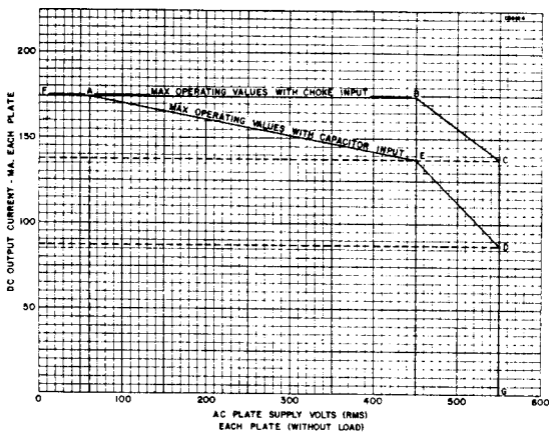
The Sylvania Type 5AS4A is a filamentary, full-wave, high vacuum rectifier designed for service in the power supply of television receivers or other equipment requiring high current.

5AS4A (Cont'd)

RATING CHART I



RATING CHART II



RATING CHART III

