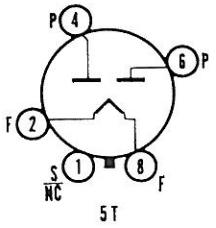
Electro-Harmonix

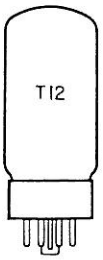
5U4GB EH

FULL-WAVE POWER RECTIFIER

Filamentary Twin Diode

Construction .....Octal T-12
Base .....B5-121, B5-127 or B8-118
Basing(1).....5T
Outline 12-16
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	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
Steady State Peak Plate Current (Each Plate) (Max.)	1.0 Amperes
Transient Peak Plate Current (Each Plate) (Max.)	4.6 Amperes

CHARACTERISTICS AND TYPICAL OPERATION

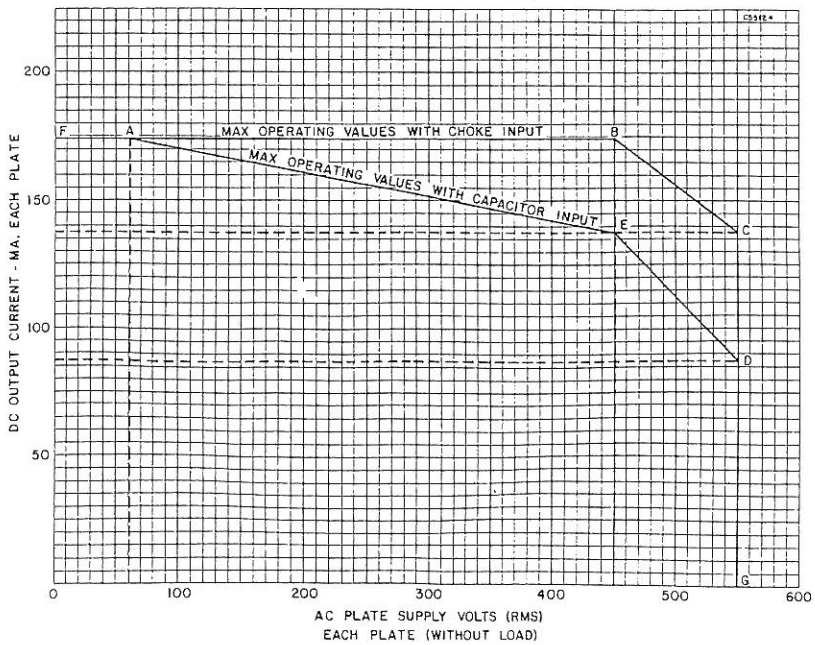
Full-Wave Rectifier—Capacitor Input Filter

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 = 225 Ma (Each Plate)	44 Volts
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.

RATING CHART