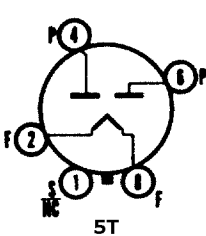


5U4GB

Color Television Type
FULL-WAVE POWER RECTIFIER

Filamentary Twin Diode

ConstructionOctal T-12
BaseB5-121, B5-127 or B8-118
Basing⁽¹⁾.....5T
Outline12-16
Maximum Diameter1.563 In.
Maximum Seated Height4.063 In.
Maximum Overall Height4.625 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 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) ⁽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 $I_b = 225$ 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

