

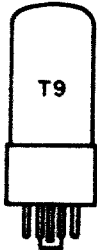
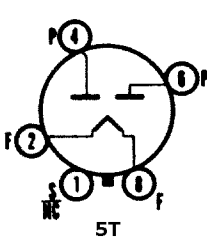
Color Television Type

FULL-WAVE POWER RECTIFIER

5Y3GT

Filamentary Twin Diode

ConstructionOctal T-9
Base.....5 Pin, B5-10 or B5-62
Basing⁽¹⁾.....5T
Outline9-13 or 9-42
Maximum Diameter1.188 In.
Maximum Seated Height2.813 In.
Maximum Overall Height3.375 In.



ELECTRICAL DATA

FILAMENT OPERATION

Filament Voltage..... 5.0 Volts
Filament Current..... 2000 Ma

RATINGS (Design Maximum Rating System)

Rectifier Service⁽²⁾

Peak Inverse Plate Voltage (Max.) 1400 Volts
AC Plate Supply Voltage (Each Plate) (Max.)⁽²⁾ 500 Volts
DC Output Current (Each Plate) (Condenser Input) (Max.) 42 Ma
Steady State Peak Plate Current (Each Plate) (Max.) 400 Ma
Transient Peak Plate Current (Each Plate) (Max.) 2.2 Amperes
Tube Voltage Drop for Ib = 125 Ma (Each Plate) 60 Volts

CHARACTERISTICS AND TYPICAL OPERATION

Full-Wave Rectifier Service—Capacitor Input Filter

AC Plate Supply Voltage (Each Plate RMS)⁽³⁾ 350 Volts
Input Capacitor 10 μ f
Effective Plate Supply Impedance (Each Plate)..... 50 Ohms
DC Output Current..... 125 Ma
DC Output Voltage 350 Volts

Full-Wave Rectifier Service—Choke Input Filter

AC Plate Supply Voltage (Each Plate RMS)⁽³⁾ 500 Volts
Input Choke 10 Henrys
DC Output Current..... 125 Ma
DC Output Voltage 390 Volts

NOTES:

- (1) Horizontal operation permitted if Pins 2 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

