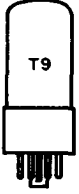
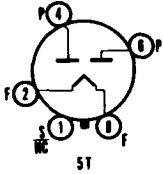


Color Television Type
FULL-WAVE POWER RECTIFIER

5Y3GT

Filamentary Twin Diode

Construction Octal T-9
Base.....5 Pin, B5-10 or B5-62
Basing⁽¹⁾.....5T
Outline 9-13 or 9-42
Maximum Diameter 1.188 In.
Maximum Seated Height 2.813 In.
Maximum Overall Height 3.375 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.)⁽³⁾ 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

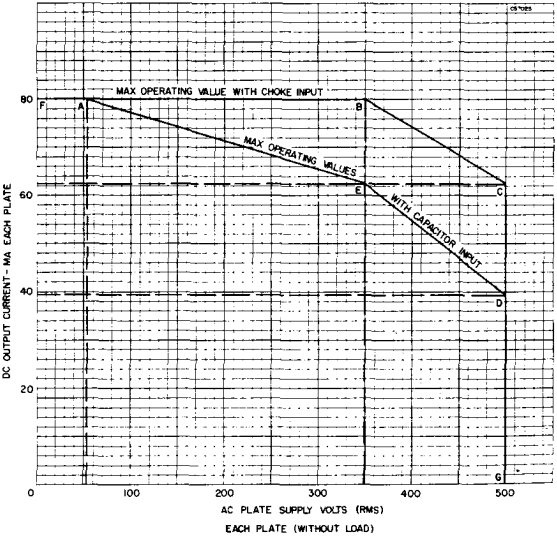
Full-Wave Rectifier Service—Capacitor Input Filter
AC Plate Supply Voltage (Each Plate RMS)⁽³⁾ 350 Volts
Input Capacitor 10 μ f
Effective Plate Supply Impedance (Each Plate).....50 Ohms
DC Output Current.....125 Ma
DC Output Voltage 350 Volts

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:

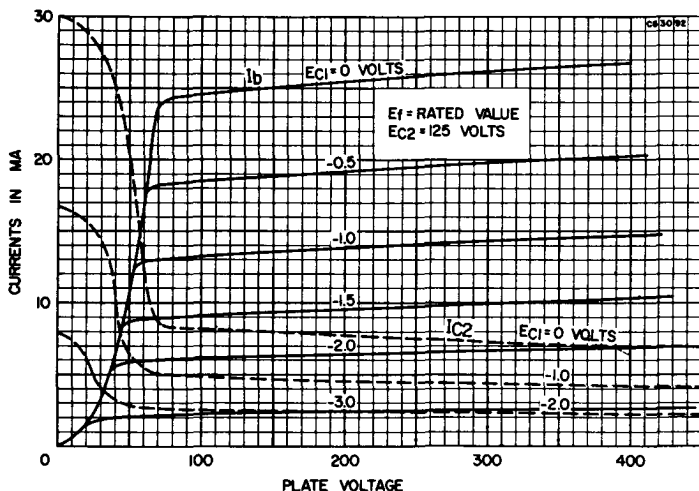
- (1) Horizontal operation permitted if Pins 2 and 4 are in a vertical plane.
- (2) For use with sinusoidal supply voltages within the frequency range of 25 to 1000 Hertz.
- (3) AC plate voltage is measured without load.

RATING CHART



Positive Grid No. 1 Voltage (Max.)	0 Volt
Plate Dissipation (Max.)	2.5 Watts
Grid No. 2 Dissipation (Max.)	0.55 Watt
Grid No. 1 Circuit Resistance	
Self Bias (Max.)	1.0 Megohm
Fixed Bias (Max.)	0.25 Megohm
Diode Section (Each Diode)	
Continuous Diode Current (Max.)	5.0 Ma
CHARACTERISTICS AND TYPICAL OPERATION	
Pentode Section	
Plate Voltage	125 Volts
Grid No. 2 Voltage	125 Volts
Grid No. 1 Voltage	-1 Volt
Plate Current	12 Ma
Grid No. 2 Current	4.5 Ma
Transconductance	10,000 μ mhos
Plate Resistance (Approx.)	150,000 Ohms
Grid No. 1 Voltage for $I_b = 20 \mu$ a (Approx.)	-7 Volts
Diode Section (Each Diode)	
Tube Voltage Drop for $I_b = 50 \mu$ a	10 Volts

AVERAGE PLATE CHARACTERISTICS



6AC10
8AC10

Color Television Type

COLOR MATRIX AMPLIFIER

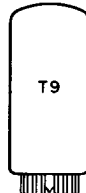
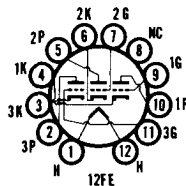
Medium Mu Triple Triode

Construction	Compactron T-9
Base	Button 12 Pin, E12-70
Basing	.12FE
Outline	9-59
Maximum Diameter	1.188 In.
Maximum Seated Height	2.000 In.
Maximum Overall Height	2.375 In.

ELECTRICAL DATA

HEATER OPERATION

Heater Voltage	8.4
Heater Current	450
Heater Warm-up Time	11

8AC10
Series6AC10
Parallel6AC10
Series

6.3 $\pm$ 0.6	6.3 Volts
0.6	600 Ma
—	11 Seconds