

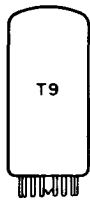
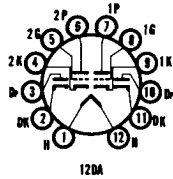
Color Television Type

**FM DETECTOR
AF AMPLIFIER**

6AY11

**Double Diode and
Double High Mu Triode**

Construction.....Compactron T-9
Base Button 12 Pin, E12-70
Basing 12DA
Outline 9-56
Maximum Diameter 1.188 In.
Maximum Seated Height 1.500 In.
Maximum Overall Height 1.875 In.



**ELECTRICAL DATA
HEATER OPERATION**

Heater Voltage.....	6.3 Volts
Heater Current.....	690 Ma
Maximum Heater-Cathode Voltage	
Heater Negative with Respect to Cathode	
Total DC and Peak.....	200 Volts
Heater Positive with Respect to Cathode	
DC.....	100 Volts
Total DC and Peak.....	200 Volts

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Triode (Each Section)	
Grid to Plate.....	2.2 Pf
Input.....	2.0 Pf
Output.....	0.22 Pf
Diode (Each Section)	
Plate to Cathode and Heater.....	2.0 Pf
Cathode to Heater and Plate.....	5.5 Pf

Coupling

Triode Grid to Diode Plate (Max.).....	0.08 Pf
Triode Grid (Sec. 1) to Triode Grid (Sec. 2).....	0.01 Pf
Triode Plate (Sec. 1) to Triode Plate (Sec. 2).....	0.48 Pf

RATINGS (Design Maximum Rating System)

Triode (Each Section)	
Plate Voltage (Max.).....	330 Volts
Positive DC Grid Voltage (Max.).....	0 Volt
Negative DC Grid Voltage (Max.).....	50 Volts
Plate Dissipation (Max.).....	1.0 Watts

Diode (Each Section)

Diode Current for Continuous Operation.....	5.0 Ma
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CHARACTERISTICS AND TYPICAL OPERATION

Triode (Each Section)

Plate Voltage.....	250 Volts
Grid Voltage.....	-2.0 Volts
Amplification Factor.....	100
Plate Resistance (Approx.).....	52,700 Ohms
Transconductance.....	1900 μ mhos
Plate Current.....	1.2 Ma

Diode (Each Section)

Average Diode Current with 5.0 Voltage DC Applied.....	18 Ma
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Color Television Type

**SYNC SEPARATOR/CLIPPER(T)
IF/VIDEO/AGC AMPLIFIER(P)**

6AZ8

Medium Mu Triode and Sharp Cutoff Pentode

Construction Miniature T-6-1/2
Base Button 9 Pin, E9-1
Basing 9ED
Outline 6-2
Maximum Diameter 0.875 In.
Maximum Seated Height 1.938 In.
Maximum Overall Height 2.188 In.

