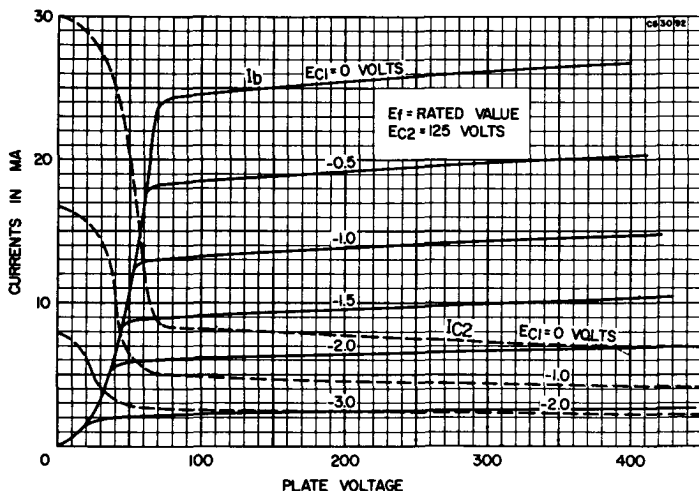


Positive Grid No. 1 Voltage (Max.)	0 Volt
Plate Dissipation (Max.)	2.5 Watts
Grid No. 2 Dissipation (Max.)	0.55 Watt
Grid No. 1 Circuit Resistance	
Self Bias (Max.)	1.0 Megohm
Fixed Bias (Max.)	0.25 Megohm
Diode Section (Each Diode)	
Continuous Diode Current (Max.)	5.0 Ma
CHARACTERISTICS AND TYPICAL 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

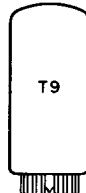
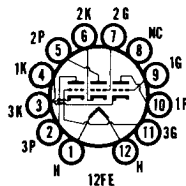
Medium Mu Triple Triode

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

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)

	Section No. 1	Section No. 2	Section No. 3
Grid to Plate	1.3	1.2	1.2 Pf
Input	2.4	2.6	2.6 Pf
Output	0.22	0.30	0.44 Pf

RATINGS (Design Maximum Rating System) (Each Section)

Plate Voltage (Max.)	330 Volts
Plate Dissipation (Max.)	2.0 Watts
Grid Circuit Resistance (Max.)	0.5 Megohms

CHARACTERISTICS AND TYPICAL OPERATION

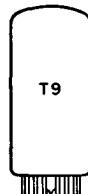
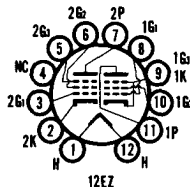
Plate Voltage	200 Volts
Cathode-Bias Resistor	150 Ohms
Amplification Factor	62
Plate Resistance (Approx.)	10,700 Ohms
Transconductance	5800 μ mhos
Plate Current	9.0 Ma
Grid Voltage for Ib = 100 μ a	-5 Volts

Color Television Type

AUDIO POWER AMPLIFIER FM DETECTOR

6AD10**Beam Pentode and Sharp Cutoff Pentode**

Construction	Compactron T-9
Base	Button 12 Pin, E12-70
Basing	12EZ
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	6.3 Volts
Heater Current	1050 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)**Section No. 1 (Power Amplifier)**

Grid to Plate	0.26 Pf
Input: g to (h + 1k + 1g2 + 1g3 + IS)	11.0 Pf
Output: p to (h + 1k + 1g2 + 1g3 + IS)	11.0 Pf

Section No. 2 (FM Detector)

Grid No. 1 to Plate (Max.)	0.024 Pf
Grid No. 3 to Plate	3.4 Pf
Grid No. 1 to (h + 2k + 2g2 + 2g3 + IS)	8.0 Pf
Grid No. 3 to (h + 2k + 2g1 + 2g2 + 2p + IS)	9.5 Pf
Grid No. 1 to Grid No. 3	0.12 Pf
Plate No. 1 to Plate No. 2	0.34 Pf

RATINGS (Design Maximum Rating System)**Section No. 1 (Power Amplifier)**

Plate Voltage	275 Volts
Screen Voltage	275 Volts
Plate Dissipation	10 Watts
Screen Dissipation	2.0 Watts
Grid No. 1 Circuit Resistance	
Fixed Bias	0.25 Megohm
Cathode Bias	0.5 Megohm

Section No. 2 (FM Detector)

Plate Voltage	300 Volts
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