

Pentode No. 1—Video Output

Supply Voltage	135	135	230	250	250 Volts
Supply Series Resistor	0	0	820	1200	0 Ohms
Voltage at Ebb	—	—	190	190	0 Volts
Plate Resistance	2.2	4.7	2	3.9	3.3 K Ohms
Grid No. 2 Resistor	0	0	1	1	3.9 K Ohms
Cathode Resistor	6.8	6.8	6.8	6.8	15 Ohms
Peak to Peak Input Signal	2.5	1.4	3.6	1.8	5.5 Volts
Peak to Peak Output Signal	90	90	100	100	160 Volts

Pentode No. 2—Sync Separator

Supply Voltage	100-140	200-250 Volts
Plate Resistance	50	50 K Ohms
Grid No. 2 Voltage	75	75 Volts
Grid No. 1 Resistor	1	1 Megohm
Grid No. 1 Voltage	-2.6	-2.7 Volts
Plate Current	0.1	0.1 Ma
Transconductance	250	200 μ mhos

Pentode No. 2

	AGC Amplifier	IF Amplifier
Plate Voltage	100-150	135 150 Volts
Grid No. 2 Voltage	60	135 150 Volts
Grid No. 1 Voltage	-1.3	-1.9 -2.3 Volt
Plate Current	1.0	10 10 Ma
Transconductance	2500	8700 8500 μ mhos

NOTES:

- (1) For short periods, cathode current = 85 Ma (Max.)
 (2) For short periods, cathode current = 93 Ma (Max.)

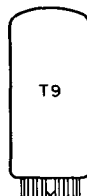
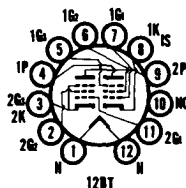
LIMITER/DISCRIMINATOR and AUDIO POWER AMPLIFIER

6Z10

10Z10

Gated Beam Pentode and Beam Power Pentode

Construction	Compactron T-9
Base	Button 12 Pin, E12-70
Basing	12BT
Outline	9-58
Maximum Diameter	1.188 In.
Maximum Seated Height	2.000 In.
Maximum Overall Height	2.375 In.

**ELECTRICAL DATA****HEATER OPERATION**

	10Z10	6Z10
Heater Voltage	10.0	6.3 Volts
Heater Current	600	950 Ma
Heater Warm-up Time	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**Gated-Beam Discriminator Section No. 1**

Grid No. 1 to Grid No. 3	0.009 Pf
Grid No. 1 to All	4.4 Pf
Grid No. 3 to All	3.2 Pf

Pentode Section No. 2

Grid No. 1 to Plate	0.22 Pf
Input	11 Pf
Output	7.5 Pf

RATINGS (Design Maximum Rating System)**Gated Beam Discriminator Section No. 1**

Plate Supply Voltage (Max.)	330 Volts
Accelerator-Supply Voltage (Max.)	330 Volts
Peak Positive Grid No. 1 Voltage (Max.)	60 Volts
DC Cathode Current (Max.)	13 Ma

Pentode Section No. 2

Plate Voltage (Max.)	275 Volts
Screen Voltage (Max.)	275 Volts

