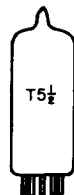
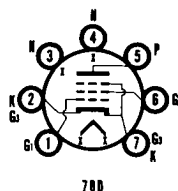


6AK5/EF95**RF AMPLIFIER****Sharp Cutoff Pentode**

Construction Miniature T-5½
 Base Button 7 Pin
 Basing 7BD
 Outline 5-2
 Maximum Diameter 0.750 In.
 Maximum Seated Height 1.500 In.
 Maximum Overall Height 1.750 In.

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

Heater Voltage	6.3 Volts
Heater Current	175 Ma
Maximum Heater-Cathode Voltage	90 Volts

DIRECT INTERELECTRODE CAPACITANCES

	Shielded (1)	Unshielded
Grid to Plate	0.02	0.03 Pf
Input	4.0	4.0 Pf
Output	2.8	2.1 Pf

RATINGS (Design Center Rating System)

Plate Voltage (Max.)	180 Volts
Plate Dissipation (Max.)	1.7 Watts
Screen Voltage (Max.)	140 Volts
Screen Dissipation (Max.)	0.5 Watt
Screen Supply Voltage (Max.)	180 Volts
Positive Control Grid Voltage (Max.)	0 Volt
Cathode Current (Max.)	18 Ma

CHARACTERISTICS AND TYPICAL OPERATION**Class A1 Amplifier**

Plate Voltage	120	180 Volts
Screen Voltage	120	120 Volts
Cathode Bias Resistor (2)	180	180 Ohms
Plate Current	7.5	7.7 Ma
Screen Current	2.5	2.4 Ma
Transconductance	5000	5100 μ mhos
Plate Resistance (Approx.)	0.30	0.50 Megohm

NOTES:

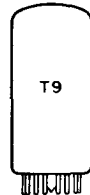
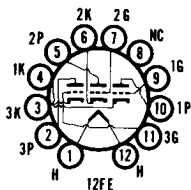
- (1) Shield No. 316 connected to cathode.
 (2) Fixed bias operation is not recommended.

6AK10**9AK10**

Color Television Type

COLOR DIFFERENCE AMPLIFIER**Triple Triode**

Construction Compactron T-9
 Base E12-70
 Basing 12FE
 Outline 9-59
 Maximum Diameter 1.188 In.
 Maximum Seated Height 2.250 In.
 Maximum Overall Height 2.625 In.

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

	9AK10	6AK10
Heater Voltage	9.5	6.3 Volts
Heater Current	600	900 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 (Unshielded)

	Section 1	Section 2	Section 3
Grid to Plate	3.2	3.0	3.0 pf
Input: (G to K and H)	4.2	4.2	4.2 pf
Output: (P to K and H)	0.3	0.4	0.54 pf

RATINGS (Design Maximum Rating System) (Each Section)

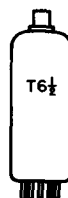
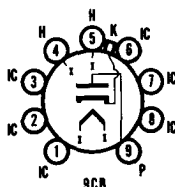
Plate Voltage	330 Volts
Grid Voltage	
Positive Bias Value	0 Volt
Plate Dissipation	2 Watts
Grid Circuit Resistance	
Fixed Bias	0.5 Megohm

CHARACTERISTICS AND TYPICAL OPERATION (Each Section)

Plate Voltage	200 Volts
Plate Current	10 Ma
Amplification Factor	53
Plate Resistance (Approx.)	7500 Ohms
Transconductance	7000 μ mhos
E _{c1} for I _b = 100 μ a	-7 Volts

DAMPER**6AL3/EY88****Heater-Cathode Diode**

Construction	Miniature T-6½
Base	E9-1
Top Cap	C1-2
Basing	9CB
Outline	6-101
Maximum Diameter	0.875 In.
Maximum Seated Height	3.250 In.
Maximum Overall Height	3.500 In.

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

Heater Voltage	6.3 Volts
Heater Current	1550 Ma
Maximum Heater-Cathode Voltage	6600 Volts

DIRECT INTERELECTRODE CAPACITANCES

Plate to All Other Elements	8.6 Pf
Cathode to Heater	2.0 Pf

RATINGS (Design Center Rating System)**Damper Service⁽¹⁾**

Peak Inverse Plate Voltage (Absolute Max.)	7500 Volts
Peak Plate Current	550 Ma
DC Plate Current	220 Ma
Plate Dissipation	5 Watts

NOTE:

- (1) For operation in a 525-line, 30-frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission." The duty cycle of the voltage pulse not to exceed 15% of a horizontal scanning cycle.

Color Television Type

FM or TV DETECTOR**6AL5**

3AL5, 12AL5

High Perveance Twin Diode

Construction	Miniature T-5½
Base	Button 7 Pin
Basing	.6BT
Outline	5-1
Maximum Diameter	0.750 In.
Maximum Seated Height	1.500 In.
Maximum Overall Height	1.750 In.

