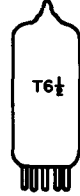
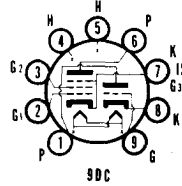


Color Television Type
VHF OSCILLATOR and MIXER

6KE8
5KE8, 4KE8

**Medium Mu Triode and
Sharp Cutoff Pentode**

Construction Miniature T-6½
Base Button 9 Pin, E9-1
Basing 9DC
Outline 6-2
Maximum Diameter 0.875 In.
Maximum Seated Height 1.937 In.
Maximum Overall Height 2.187 In.



**ELECTRICAL DATA
HEATER OPERATION**

	4KE8	5KE8	6KE8
Heater Voltage.....	4.5	5.6	6.3 Volts
Heater Current.....	600	450	400 Ma
Heater Warm-up Time	11	11	— Seconds
Maximum Heater-Cathode Voltage			
Heater Negative with Respect to Cathode			200 Volts
Total DC and Peak.....			100 Volts
Heater Positive with Respect to Cathode			200 Volts
DC			
Total DC and Peak.....			

DIRECT INTERELECTRODE CAPACITANCES (Shielded)

Triode Section

Grid to Plate	1.3 Pf
Input: g1 to (k + Pk + Pg3 + IS + h)	2.4 Pf
Output: p to (Tk + Pk + Pg3 + IS + h)	2.0 Pf

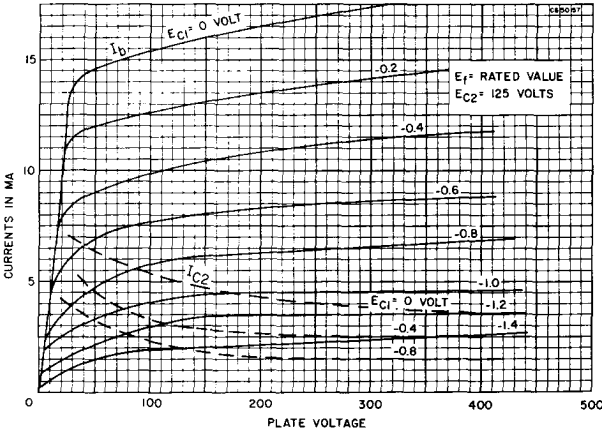
Pentode Section

Grid No. 1 to Plate (Max.).....	0.015 Pt
Input: g1 to (k + g3 + IS + g2 + h).....	5.0 Pf
Output: p to (k + g3 + IS + g2 + h).....	3.4 Pf

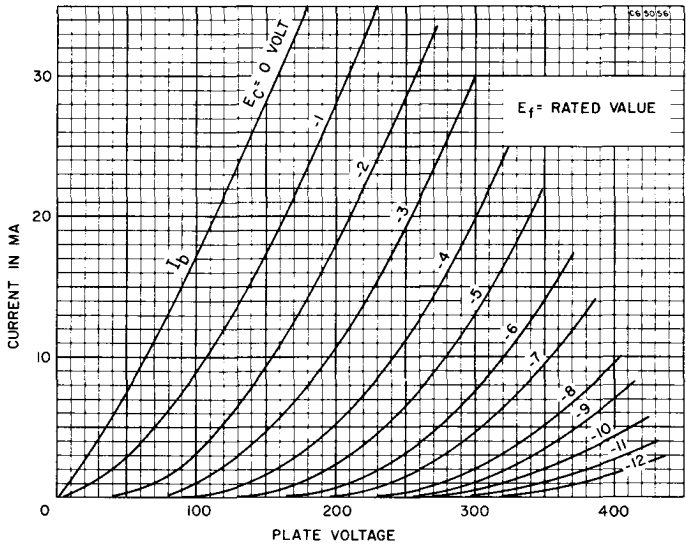
RATINGS (Design Maximum Rating System)

	Triode Section	Pentode Section
Plate Voltage (Max.)	280	280 Volts
Grid No. 2 Supply Voltage (Max.)	—	280 Volts
Grid No. 2 Voltage	See Rating Chart (Gen. Info. Sec.)	
Cathode Current (Max.).....	20	20 Ma
Plate Dissipation (Max.)	2.0	2.0 Watts
Grid No. 2 Dissipation (Max.)	—	0.5 Watt
Positive Grid No. 1 Voltage (Max.)	0	0 Volt

**AVERAGE PLATE CHARACTERISTICS
(Pentode Section)**



AVERAGE PLATE CHARACTERISTICS
(Triode Section)



CHARACTERISTICS AND TYPICAL OPERATION
Class A1 Amplifier

	Triode Section	Pentode Section
Plate Voltage	125	125 Volts
Grid No. 2 Voltage	—	125 Volts
Grid No. 1 Voltage	0	0 Volt
Cathode Bias Resistor	68	33 Ohms
Plate Current	13	10 Ma
Grid No. 2 Current	—	2.8 Ma
Transconductance	8000	12,000 μ mhos
Amplification Factor	40	—
Plate Resistance (Approx.)	5000	125,000 Ohms
E_{c1} for $I_b = 100 \mu a$ (Approx.)	-5	— Volts
E_{c1} for $I_b = 50 \mu a$ (Approx.)	—	-3 Volts

6KM6

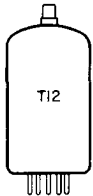
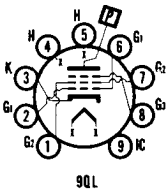
22KM6

Color Television Type

HORIZONTAL DEFLECTION
AMPLIFIER

Beam Power Pentode

Construction	Novar T-12
Base	Button 9 Pin, E9-88 or E9-76
Top Cap	C1-2, C1-33 or C1-3
Basing ⁽⁴⁾	9QL
Outline	12-70
Maximum Diameter	1.562 In.
Maximum Seated Height	3.170 In.
Maximum Overall Height	3.550 In.



ELECTRICAL DATA
HEATER OPERATION

	22KM6	6KM6
Heater Voltage	22.0	6.3 Volts
Heater Current	450	1600 Ma
Heater Warm-up Time	11	— Seconds
Maximum Heater-Cathode Voltage		
Heater Negative with Respect to Cathode		
Total DC and Peak		200 Volts