

Color Television Type

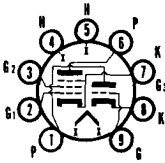
HORIZONTAL OSC. and REACTANCE TUBE or VHF OSC. and MIXER

6U8A/6KD8

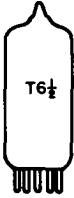
5U8, 5KD8, 9U8A

Medium Mu Triode and Sharp Cutoff Pentode

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



9AE



ELECTRICAL DATA

HEATER OPERATION

	9U8A	5KD8	5U8	6U8A/6KD8
Heater Voltage.....	9.45	5.6	4.7	6.3 Volts
Heater Current.....	300	450	600	450 Ma
Heater Warm-up Time	11	11	11	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

	Shielded (1)	Unshielded
Pentode Section		
Grid No. 1 to Plate (Max.).....	0.007	0.015 Pf
Input: g1 to (h + k + g2 + g3 + IS).....	5.0	5.0 Pf
Output: p to (h + k + g2 + g3 + IS).....	3.5	2.6 Pf
Cathode to Heater	3.0	3.0 Pf
Triode Section		
Grid to Plate	1.8	1.8 Pf
Input: g to (h + Pk + Tk + g3 + IS)	2.8	2.8 Pf
Output: p to (h + Pk + Tk + g3 + IS)	2.0	1.5 Pf
Cathode to Heater	3.0	3.0 Pf
Coupling		
Pentode Grid No. 1 to Triode Plate (Max.)	0.2	0.2 Pf
Pentode Plate to Triode Plate (Max.)	0.02	0.1 Pf

RATINGS (Design Maximum Rating System)

	Triode Section	Pentode Section
Plate Voltage (Max.)	330	330 Volts
Grid No. 2 Supply Voltage (Max.)	—	330 Volts
Grid No. 2 Voltage	See Rating Chart (Gen. Info. Sec.)	
Positive DC Grid No. 1 Voltage	0	0 Volt
Plate Dissipation (Max.)	2.5	3.0 Watts
Grid No. 2 Dissipation (Max.)	0	0.55 Watt
Grid No. 1 Circuit Resistance		
Fixed Bias (Max.)	—	0.5 Megohm
Self Bias (Max.)	—	1.0 Megohm

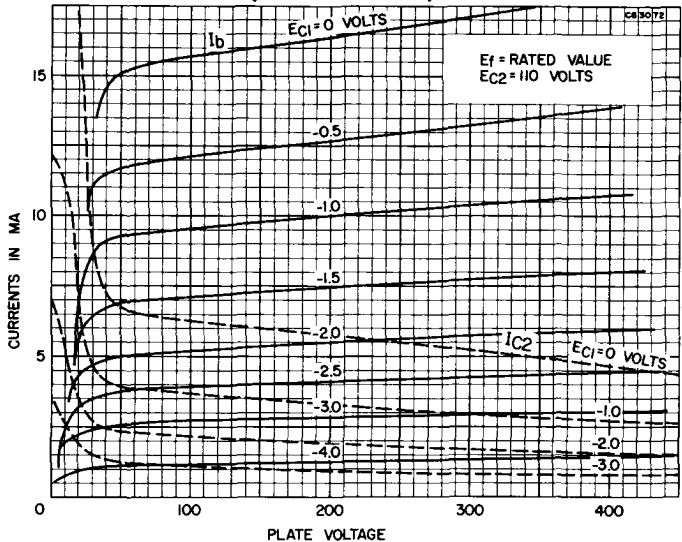
CHARACTERISTICS AND TYPICAL OPERATION

	Triode Section	Pentode Section
Plate Voltage	125	125 Volts
Grid No. 2 Voltage	—	110 Volts
Grid No. 1 Voltage	-1.0	-1.0 Volts
Plate Current	13.5	9.5 Ma
Grid No. 2 Current	—	3.5 Ma
Transconductance	7500	5000 μmhos
Amplification Factor	40	—
Plate Resistance (Approx.)	—	0.2 Megohm
Ec1 for Ib = 20 μa (Approx.)	-9	-8 Volts

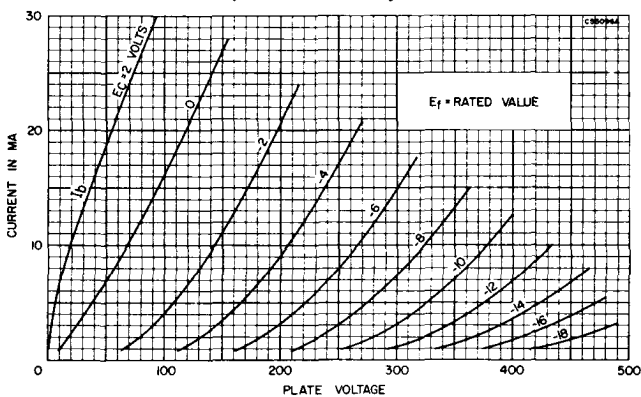
NOTE:

(1) External shielded No. 315 connected to cathode of section under test.

AVERAGE PLATE CHARACTERISTICS
(Pentode Section)



AVERAGE PLATE CHARACTERISTICS
(Triode Section)



6U9

5U9/LCF201, 8U9

**IF AMPLIFIER (P)
SYNC SEPARATOR or OSC. (T)**

Triode and Pentode

- Construction Miniature T-6½
- Base Button 10 Pin
- Basing 10K
- Outline 6-2
- Maximum Diameter 0.875 In.
- Maximum Seated Height 1.937 In.
- Maximum Overall Height 2.187 In.

