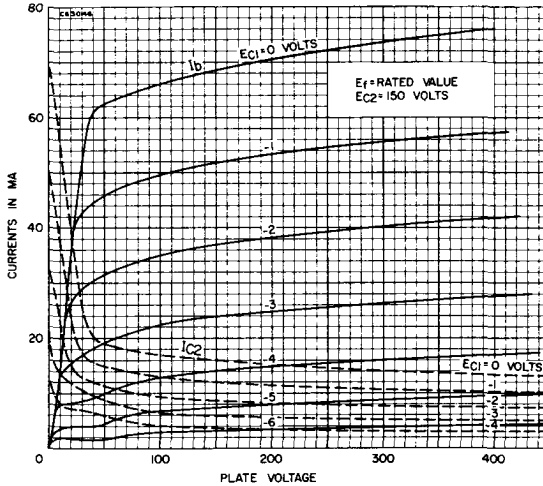
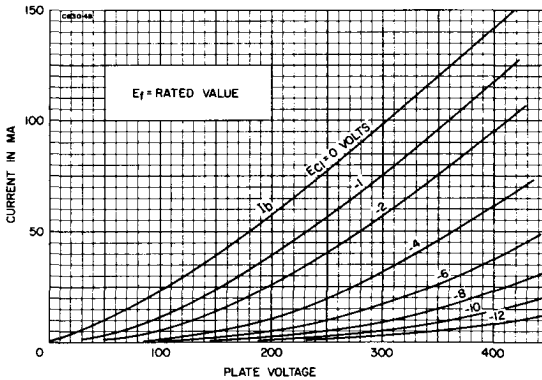


AVERAGE PLATE CHARACTERISTICS (Pentode Section)



AVERAGE PLATE CHARACTERISTICS (Triode Section)

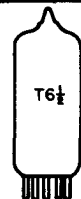
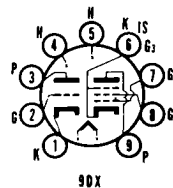


10LW8

**VIDEO AMPLIFIER (P)
GENERAL PURPOSE (T)**

High Mu Triode and Sharp Cutoff Pentode

Construction Miniature T-6½
Base Button 9 Pin, E9-1
Basing 9DX
Outline 6-3
Maximum Diameter 0.875 In.
Maximum Seated Height 2.375 In.
Maximum Overall Height 2.625 In.



ELECTRICAL DATA

HEATER OPERATION

Heater Voltage	10.5 Volts
Heater Current	450 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)

Pentode Section

Grid No. 1 to Plate	0.08 Pf
Input: P _{g1} to (h + P _k + P _{g2} + P _{g3} + IS)	12 Pf
Output: P _p to (h + P _k + P _{g2} + P _{g3} + IS)	4.4 Pf

Triode Section

Grid to Plate	3.6 Pf
Input: T _g to (h + T _k + P _k + P _{g3} + IS)	2.8 Pf
Output: T _p to (h + T _k + P _k + P _{g3} + IS)	3.0 Pf

RATINGS (Design Maximum Rating System)

	Pentode Section	Triode Section
Plate Voltage (Max.)	330	330 Volts
Screen Supply Voltage (Max.)	330	— Volts
Screen Voltage	See Rating Chart (Gen. Info. Sec.)	
Positive DC Grid No. 1 Voltage (Max.)	0	0 Volt
Plate Dissipation (Max.)	4.0	1.5 Watts
Screen Dissipation (Max.)	1.5	— Watts
Grid No. 1 Circuit Resistance		
Fixed Bias (Max.)	0.5	0.5 Megohm
Cathode Bias (Max.)	1.0	1.0 Megohm

CHARACTERISTICS AND TYPICAL OPERATION

	Pentode Section	Triode Section
Plate Voltage	35 200	200 Volts
Screen Voltage	100 100	— Volts
Grid No. 1 Voltage	0 —	-2.0 Volts
Cathode-Bias Resistor	— 82	— Ohms
Amplification Factor	— —	75
Plate Resistance (Approx.)	— 60,000	18,700 Ohms
Transconductance	— 19,000	4000 μ mhos
Plate Current	48 16.5	2.6 Ma
Screen Current	12.5 2.8	— Ma
Grid Voltage (Approx.) I _b = 30 μ a	— —	-4 Volts
Grid No. 1 Voltage (Approx.) I _b = 500 μ a	— -5.5	— Volts

VIDEO AMPLIFIER and
GENERAL PURPOSE TRIODE

10LZ8

High Mu Triode and
Sharp Cutoff Pentode

Construction	Miniature T-6½
Base	Button 9 Pin, E9-1
Basing	9DX
Outline	6-3
Maximum Diameter	0.875 In.
Maximum Seated Height	2.375 In.
Maximum Overall Height	2.625 In.

ELECTRICAL DATA

HEATER OPERATION

Heater Voltage	10.5 Volts
Heater Current	450 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

