

Heater Voltage (ac/dc)	6.3	volts
Heater Current	0.45	ampere
Heater-Cathode Voltage:		
Peak value	±200 max	volts
Average value	100 max	volts
Direct Interelectrode Capacitances:		
Triode Unit:		
Grid to Plate	1.8	pF
Grid to Cathode, Heater, Pentode Cathode, Pentode Grid No.3, and Internal Shield	3.2	pF
Plate to Cathode, Heater, Pentode Cathode, Pentode Grid No.3, and Internal Shield	1.9	pF
Pentode Unit:		
Grid No.1 to Plate	0.015 max	pF
Grid No.1 to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield	5.5	pF
Plate to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield	3.8	pF
Heater to Cathode (Each Unit)	3.2	pF

Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)

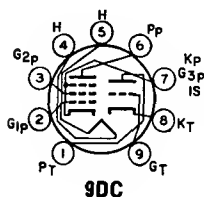
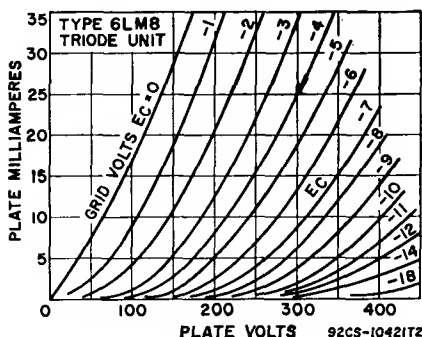
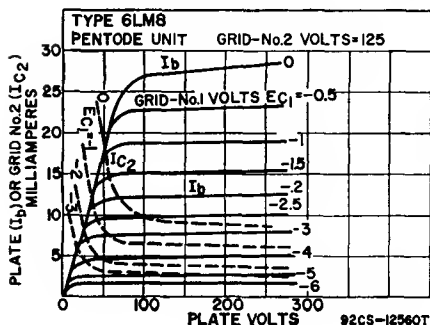
	Triode Unit	Pentode Unit	
Plate Voltage	330	350	volts
Grid-No.2 (Screen-Grid) Supply Voltage	—	330	volts
Grid-No.2 Voltage	—	See curve page 300	
Grid-No.1 (Control-Grid) Voltage, Positive-bias value	0	0	volts
Plate Dissipation	2.5	2.5	watts
Grid-No.2 Input:			
For grid-No.2 voltages up to 165 volts	—	0.55	watts
For grid-No.2 voltages between 165 and 330 volts	—	See curve page 300	

CHARACTERISTICS

Plate Voltage	125	125	volts
Grid-No.2 Voltage	—	125	volts
Grid No.1 Voltage	—1	—2	volts
Amplification Factor	46	—	
Plate Resistance (Approx.)	5400	15000	ohms
Transconductance	8500	6000	μmhos
Plate Current	13.5	12	mA
Grid-No.2 Current	—	4	mA
Grid-No.1 Voltage (Approx.) for plate current of 10 μA	—8	—14	volts

MAXIMUM CIRCUIT VALUES

Grid-No.1-Circuit Resistance:			
For fixed-bias operation	0.5	0.25	megohm
For cathode-bias operation	1	0.5	megohm



MEDIUM-MU TRIODE— SHARP-CUTOFF PENTODE

Miniature type used in frequency-changer service in television receivers. Outlines section, 6B; requires miniature 9-contact socket.

6LN8/ LCF80

Heater Voltage (ac/dc)	6	volts
Heater Current	0.45	ampere
Peak Heater-Cathode Voltage	±100 max	volts

Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)		Triode Unit	Pentode Unit	
Plate Supply Voltage		550	550	volts
Plate Voltage		250	250	volts
Grid-No.2 (Screen-Grid) Supply Voltage		—	550	volts
Grid-No.2 Voltage:				
With cathode current of 14 mA	—	175		volts
With cathode current less than 10 mA	—	200		volts
Cathode Current	14	14		mA
Plate Dissipation	1.5	1.7		watts
Grid-No.2 Input:				
With plate dissipation greater than 1.2 watts	—	0.5		watt
With plate dissipation less than 1.2 watts	—	0.75		watt

CHARACTERISTICS

Plate Voltage	100	170	volts
Grid-No.2 Voltage	—	170	volts
Grid-No.1 Voltage	—2	—2	volts
Amplification Factor	20	—	
Mu-Factor, Grid No.2 to Grid No.1	—	47	
Plate Resistance (Approx.)	—	0.4	megohm
Transconductance	5000	6200	μmhos
Plate Current	14	10	mA
Grid-No.2 Current	—	2.8	mA
Input Resistance at frequency of 50 MHz	—	0.01	megohm
Equivalent Noise Resistance	—	1500	ohms

MAXIMUM CIRCUIT VALUES

Grid-No.1-Circuit Resistance:			
For fixed-bias operation	0.5	0.5	megohm
For cathode-bias operation	0.5	1	megohm

6LQ6

6LQ6/6JE6B

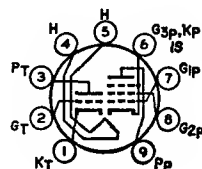
6LQ6/6JE6C

For replacement use type 6MJ6/6LQ6/6JE6C.

6LQ8

11LQ8

Miniature type used in color and black-and-white television receiver applications. The pentode unit is used as a video output tube. The triode unit is used in sync separator and sound-if circuits. Outlines section, 6E; requires miniature 9-contact socket. Type 11LQ8 is identical with type 6LQ8 except for heater ratings.

MEDIUM-MU TRIODE—
SHARP-CUTOFF PENTODE

9DX

	6LQ8	11LQ8	
Heater Voltage (ac/dc)	6.3	10.9	volts
Heater Current	0.7	0.45	ampere
Heater Warm-up Time	—	11	seconds
Heater-Cathode Voltage:			
Peak value	±200 max	±200 max	volts
Average value	100 max	100 max	volts

Direct Interelectrode Capacitances:

Triode Unit:			
Grid to Plate		2.8	pF
Grid to Triode Cathode, Pentode Cathode, Heater, Pentode			
Grid No.3, and Internal Shield		4.2	pF
Plate to Triode Cathode, Pentode Cathode, Heater, Pentode			
Grid No.3, and Internal Shield		2.4	pF
Pentode Unit:			
Grid No.1 to Plate		0.12 max	pF
Grid No.1 to Cathode Heater, Grid No.2, Grid No.3, and			
Internal Shield		14	pF
Plate to Cathode, Heater, Grid No.2, Grid No.3, and			
Internal Shield		4.8	pF
Triode Grid to Pentode Plate		0.015 max	pF
Pentode Plate to Triode Plate		0.17 max	pF