

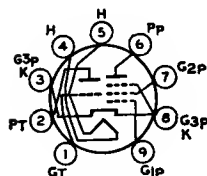
Equivalent Resistance of Reference Supply	1000	ohms
Effective Grid-Plate Transconductance	200	μ mbos
DC Plate Current for Load Current of 0 mA	1000	μ A
DC Plate Current for Load Current of 1 mA	45	μ A
Regulated DC Output Voltage for Load Current of 0 mA	25000	volts
Regulated DC Output Voltage for Load Current of 1 mA	24500	volts

MAXIMUM CIRCUIT VALUE

Grid-Circuit Resistance:

For use with "Flyback Transformer" high voltage supply 3 megohms

* For interval of 20 seconds maximum during equipment warm-up period.



9GF

MEDIUM-MU TRIODE— SHARP-CUTOFF PENTODE

6LJ8

4LJ8, 5LJ8

Miniature type used as a combined oscillator and mixer in vhf television receivers. Outlines section, 6B; requires 9-contact socket. Types 4LJ8 and 5LJ8 are identical with type 6LJ8 except for heater ratings.

	4LJ8	5LJ8	6LJ8	
Heater Voltage (ac/dc)	4.3	5.6	6.3	volts
Heater Current	0.6	0.45	0.4	ampere
Heater Warm-up Time (Average)	11	11	—	seconds
Heater-Cathode Voltage:				
Peak value	±200 max	±200 max	±200 max	volts
Average value	100 max	100 max	100 max	volts

Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)

	Triode Unit	Pentode Unit	
Plate Voltage	280	280	volts
Grid-No.2 (Screen-Grid) Supply Voltage	—	280	volts
Grid-No.2 Voltage	—	See curve page 98	
Cathode Current	20	20	mA
Grid-No.1 (Control-Grid) Voltage, Positive-bias value	0	0	volts
Plate Dissipation	2	2	watts
Grid-No.2 Input:			
For grid-No.2 voltages up to 140 volts	—	0.5	watts
For grid-No.2 voltages between 140 and 280 volts	—	See curve page 98	

CHARACTERISTICS

Plate Voltage	125	125	volts
Grid-No.2 Voltage	—	125	volts
Cathode-Bias Resistor	68	33	ohms
Amplification Factor	40	—	
Plate Resistance (Approx.)	5000	125000	ohms
Transconductance	8000	13000	μ mbos
Plate Current	13	12	mA
Grid-No.2 Current	—	3.5	mA
Grid-No.1 Voltage (Approx.) for plate current of 30 μ A	—6.5	—4	volts

MAXIMUM CIRCUIT VALUES

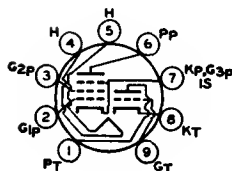
Grid-No.1-Circuit Resistance:

For fixed-bias operation	1	0.5	megohm
For cathode-bias operation	0.5	0.25	megohm

MEDIUM-MU TRIODE—SEMI- REMOTE-CUTOFF PENTODE

6LM8

Miniature type used in color and black-and-white television receiver applications. The pentode unit is used in burst-amplifier circuits, and the triode unit as a general-purpose amplifier tube. Outlines section, 6B; requires miniature 9-contact socket.



9AE