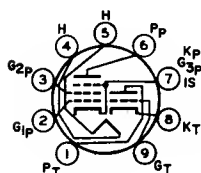


MAXIMUM CIRCUIT VALUES

Grid-No.1-Current Resistance:

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

* This value can be measured by a method involving a recurrent waveform such that the maximum ratings of the tube will not be exceeded.

**9AE**

MEDIUM-MU TRIODE— SHARP-CUTOFF PENTODE

6JW8/ ECF802

6LX8/LCF802

Miniature type used as horizontal-oscillator and frequency-control tube in color and black-and-white television receivers. Outlines section, 6B; requires miniature 9-contact socket. Type 6LX8/LCF802 is identical with type 6JW8/ECF802 except for heater ratings.

	6JW8/ ECF802	6LX8/ LCF802	
Heater Voltage (ac/dc)	6.3	6	volts
Heater Current	0.43	0.45	ampere
Heater-Cathode Voltage:			
Peak value	±200 max	±200 max	volts
Average value	100 max	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	—	250	volts
Peak Cathode Current*	—	50	mA
Cathode Current	10	15	mA
Plate Dissipation	1.4	1.2	watts
Grid-No.2 Input	—	0.8	watts
Input Impedance at 60 Hz	50	300	kohms

CHARACTERISTICS

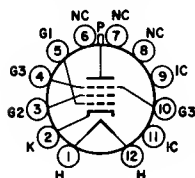
Plate Voltage	200	100	volts
Grid-No.2 Voltage	—	100	volts
Grid-No.1 (Control-Grid) Voltage	—2	—1	volts
Mu Factor, Grid-No.1 to Grid-No.2	—	47	
Amplification Factor	70	—	
Input Resistance	0.2	0.4	megohm
Transconductance	3500	5500	μmhos
Plate Current	3.5	6	mA
Grid-No.2 Current	—	1.7	mA
Plate Current:			
For grid-No.1 voltage of 0 volts	—	12.5	mA
For grid current of 10 μA	10	—	mA
Grid-No.2 Current for grid-No.1 voltage of 0 volts	—	8.5	mA
Grid-No.1 Voltage:			
For grid-No.1 current of ±0.3 μA	—1.3	—1.3	volts
For plate and grid-No.2 voltage of 200 volts and plate current of 10 μA	—	—16	volts

MAXIMUM CIRCUIT VALUES

Grid-No.1-Circuit Resistance:

For fixed-bias operation	—	0.56	megohm
For cathode-bias operation	3	1	megohms

* With a maximum duty factor of 0.30 and maximum pulse duration of 30 microseconds.

**12GD****BEAM POWER TUBE**

6JZ6

Duodecar type used as horizontal-deflection amplifier in black-and-white television receivers. Outlines section, 16A; requires duodecar 12-contact socket. Heater: volts (ac/dc), 6.3; amperes, 1.5; maximum heater-cathode volts, ±200 peak, 100 average.