

6L7

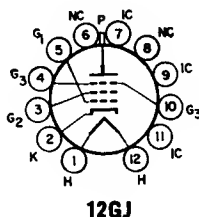
Refer to chart at end of section.

6L7G

Refer to chart at end of section.

6LB6**BEAM POWER TUBE**

Duodecar type used as horizontal-deflection amplifier in color and black-and-white television receivers. Outlines section, 16E; requires duodecar 12-contact socket. Heater: volts (ac/dc), 6.3; amperes, 2.25; maximum heater-cathode volts, ± 200 peak, 100 average.

**12GJ****Class A₁ Amplifier**

CHARACTERISTICS	Triode* Connection		Pentode Connection		
	125	5000	50	150	
Plate Voltage	125	5000	50	150	volts
Grid No.3 (Suppressor Grid)	—	—	Connected to cathode at socket		
Grid-No.2 Voltage	125	110	110	110	volts
Grid-No.1 Voltage	-25	—	—	-20	volts
Plate Resistance (Approx.)	—	—	—	6600	ohms
Transconductance	—	—	—	13400	μ mhos
Plate Current	—	—	560†	105	mA
Grid-No.2 Current	—	—	46†	2	mA
Grid-No.1 Voltage (Approx.) for plate current of 1 mA	—	-125	—	-40	volts
Amplification Factor	4	—	—	—	

* Grid No.2 tied to plate.

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

Horizontal-Deflection Amplifier

For operation in a 525-line, 30-frame system

MAXIMUM RATINGS (Design-Maximum Values)

DC Plate Supply Voltage	990	volts
Peak Positive Pulse Plate Voltage* (Absolute Maximum Value)	7000	volts
Peak Negative-Pulse Plate Voltage	100	volts
Grid-No.3 Voltage, Positive-bias value	0	volts
Grid-No.2 Voltage	200	volts
Peak Negative Grid-No.1 Voltage	300	volts
Peak Cathode Current	1100	mA
Average Cathode Current	315	mA
Plate Dissipation* (Absolute Maximum Value)	30	watts
Grid-No.2 Input	5	watts
Bulb Temperature (At hottest point)	250	°C

MAXIMUM CIRCUIT VALUES

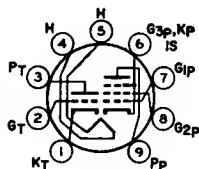
Grid-No.1-Circuit Resistance:		
With feedback-type high voltage regulation	1.2	megohms
With shunt-type high voltage regulation (switching mode)	10	megohms
Grid-No.3-Circuit Resistance	0	ohms

* Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).

* A bias resistor or other means is required to protect the tube in absence of excitation.

6LB8**10LB8****MEDIUM-MU TRIODE—
SHARP-CUTOFF PENTODE**

Neonovial type with frame-grid pentode used in television receivers. The triode unit is used as a voltage amplifier; the pentode unit is used as a video amplifier. Outlines section, 10A; requires neonovial 9-contact socket. Type 10LB8 is identical with type 6LB8 except for heater ratings.

**9DX**