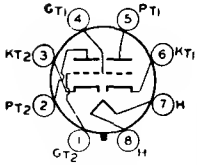
MAXIMUM CIRCUIT VALUE

Grid-Circuit Resistance, for cathode-bias operation	2.2	megohms

Pulse duration must not exceed 15% of a vertical scanning cycle (2.5 milliseconds).

Refer to chart at end of section.	**6S7** **6S7G**
Refer to chart at end of section.	**6S8GT**
Refer to chart at end of section.	**6SA7** **6SA7GT**
Refer to chart at end of section.	**6SB7Y**
Refer to chart at end of section.	**6SC7**
Refer to chart at end of section.	**6SF5** **6SF5GT**
Refer to chart at end of section.	**6SF7**
Refer to chart at end of section.	**6SG7**
Refer to chart at end of section.	**6SH7**
Refer to chart at end of section.	**6SJ7** **6SJ7GT**
Refer to chart at end of section.	**6SK7** **6SK7GT**



8BD

6SL7GT

HIGH-MU TWIN TRIODE

12SL7GT

Glass octal type used as phase inverter in radio equipment. Each unit may also be used in resistance-coupled amplifier circuits. **Outlines section,** 13D; requires octal socket. Except for the common heater, each triode unit is independent of the other. For typical operation as phase inverter or resistance-coupled amplifier, refer to **Resistance-Coupled Amplifier** section. Type 12SL7GT is identical with type 6SL7GT except for heater ratings.

	6SL7GT	12SL7GT	
Heater Voltage (ac/dc)	6.3	12.6	volts
Heater Current	0.3	0.15	ampere
Peak Heater-Cathode Voltage	±90 max	±90 max	volts
Direct Interelectrode Capacitances (Approx.):°	Unit No.1	Unit No.2	
Grid to Plate	2.8	2.8	pF
Grid to Cathode and Heater	3	3.4	pF
Plate to Cathode and Heater	3.8	3.2	pF

With external shield connected to cathode.

Class A_1 Amplifier

MAXIMUM RATINGS (Design-Center Values)

Plate Voltage	300	volts
Grid Voltage, Positive-bias value	0	volts
Plate Dissipation	1	watt

CHARACTERISTICS

Plate Voltage	250	volts
Grid Voltage	—2	volts
Amplification Factor	70	
Plate Resistance (Approx.)	44000	ohms
Transconductance	1600	μmhos
Plate Current	2.3	mA