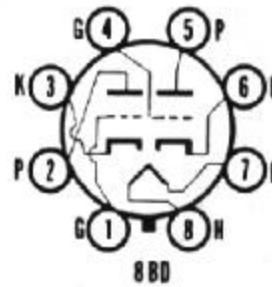


**SYLVANIA TYPE 6SL7GT  
12SL7GT**  
HIGH-MU DUO TRIODE



**MECHANICAL DATA**

Bulb.....T-9, Outline 9-11 or 9-41  
 Base.....Intermediate Shell Octal 8-Pin  
 Basing.....8BD  
 Mounting Position.....Any

**ELECTRICAL DATA**

**HEATER CHARACTERISTICS**

	6SL7GT	12SL7GT
Heater Voltage.....	6.3	12.6 Volts
Heater Current.....	300	150 Ma
Maximum Heater-Cathode Voltage.....	90	90 Volts

**DIRECT INTERELECTRODE CAPACITANCES<sup>1</sup>**

	Section 1 <sup>2</sup>	Section 2
Grid to Plate.....	2.8	2.8 $\mu\mu\text{f}$
Grid to Cathode.....	3.0	3.4 $\mu\mu\text{f}$
Plate to Cathode.....	3.8	3.2 $\mu\mu\text{f}$
Plate to Plate.....		0.4 $\mu\mu\text{f}$
Grid to Grid.....		0.65 $\mu\mu\text{f}$
Grid Section 2 to Plate Section 1.....		0.13 $\mu\mu\text{f}$

**MAXIMUM RATINGS (Design Center Values—Each Section)**

Plate Voltage.....	300 Volts
Plate Dissipation.....	1.0 Watt
Positive Grid Voltage.....	0 Volts

**CHARACTERISTICS AND TYPICAL OPERATION**

**Class A Amplifier (Each Section)**

Plate Voltage.....	250 Volts
Grid Voltage.....	-2 Volts
Cathode Bias Resistor.....	870 Ohms
Plate Current.....	2.3 Ma
Transconductance.....	1600 $\mu\text{mhos}$
Amplification Factor.....	70
Plate Resistance.....	44000 Ohms

**NOTES:**

- Shield No. 308 connected to cathode.
- Section No. 1 connects to pins 4, 5 and 6. Section No. 2 connects to pins 1, 2 and 3.

**APPLICATION**

The Sylvania Types 6SL7GT and 12SL7GT are high-mu duo triodes designed for service as resistance coupled amplifiers or phase inverters. Data for use in Resistance Coupled Amplifier Circuits is given in the Appendix.