



Sylvania  
**TYPE 6J5G**  
 SUPER TRIODE  
 AMPLIFIER  
 DETECTOR

**CHARACTERISTICS**

Heater Voltage AC or DC . . . . .	6.3 Volts
Heater Current . . . . .	0.3 Ampere

**Direct Interelectrode Capacitances:**

Grid to Plate . . . . .	3.4 $\mu\mu\text{f}$
Input . . . . .	3.8 $\mu\mu\text{f}$
Output . . . . .	3.3 $\mu\mu\text{f}$
Maximum Over-all Length . . . . .	4 $\frac{1}{4}$ "
Maximum Diameter . . . . .	1 $\frac{3}{16}$ "
Bulb . . . . .	ST-12
Base—Small Octal 7-Pin . . . . .	6-Q

**Operating Conditions and Characteristics:**

**CLASS A AMPLIFIER**

Heater Voltage . . . . .	6.3 Volts
Plate Voltage . . . . .	250 Volts
Grid Voltage . . . . .	-8 Volts
Plate Current . . . . .	9.0 Ma.
Plate Resistance . . . . .	7700 Ohms (Approx.)
Mutual Conductance . . . . .	2600 $\mu\text{mhos}$ (Approx.)
Amplification Factor . . . . .	20

**CIRCUIT APPLICATION**

Sylvania 6J5G is a new glass tube equipped with a 7-Pin octal base. Pin No. 4 is also present but not utilized. Although this tube has the same amplification factor as Types 6C5 and 6C5G the mutual conductance has been substantially increased with corresponding reduction in plate impedance. The output capacity is approximately one-third that of Type 6C5 and the tube design is such that the 6J5G should be especially applicable in ultra high frequency equipment.

Type 6J5G is a general purpose amplifier triode and may be used in circuits of conventional design as an amplifier, detector, or oscillator tube. In general, the applications and operating conditions will parallel those for such tubes as Types 76, 37, 6C5 and 6C5G.