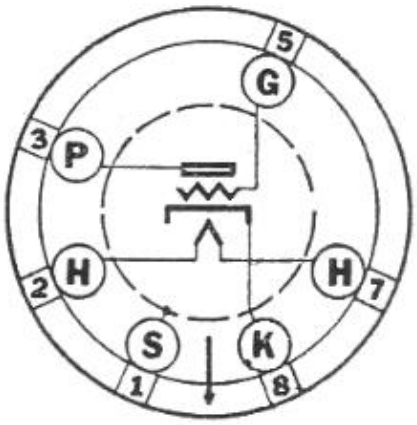

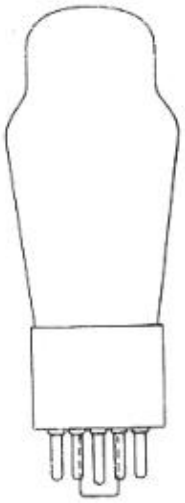

Sylvania

TYPE 6L5G

SUPER-TRIODE AMPLIFIER DETECTOR

TENTATIVE CHARACTERISTICS

Heater Voltage AC or DC	6.3 Volts
Heater Current	0.150 Ampere

Direct Interelectrode Capacitances:

Grid to Plate	3.0 $\mu\mu$f
Input	3.5 $\mu\mu$f
Output	3.5 $\mu\mu$f
Maximum Over-all Length	$4\frac{1}{4}''$
Maximum Diameter	$1\frac{9}{16}''$
Bulb	ST-12
Base—Small Octal 7-Pin	6-Q

Operating Conditions and Characteristics:

Heater Voltage	6.3	6.3	Volts
Plate Voltage	100	250	Volts Max.
Grid Voltage	−3	−9	Volts
Plate Current	4.0	8.0	Ma.
Plate Resistance	10000	9000	Ohms
Mutual Conductance	1500	1900	μmhos
Amplification Factor	15	17	

CIRCUIT APPLICATION

Sylvania Type 6L5G is a triode amplifier with characteristics quite similar to Types 6C5 and 6C5G. This new octal based tube has a heater rating of only 0.150 ampere. It should also be noted that Pin No. 4, although not indicated on the basing diagram, is present but not connected.

Type 6L5G is recommended for use as an amplifier, oscillator or detector. The applications will parallel those for the 6C5G and 76 and reference may be made to circuit application notes for Type 76 on Page 107.