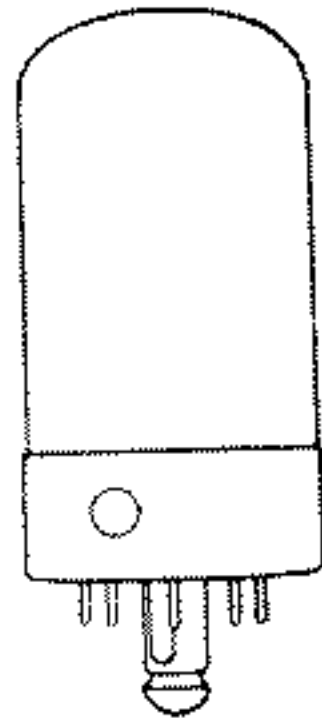
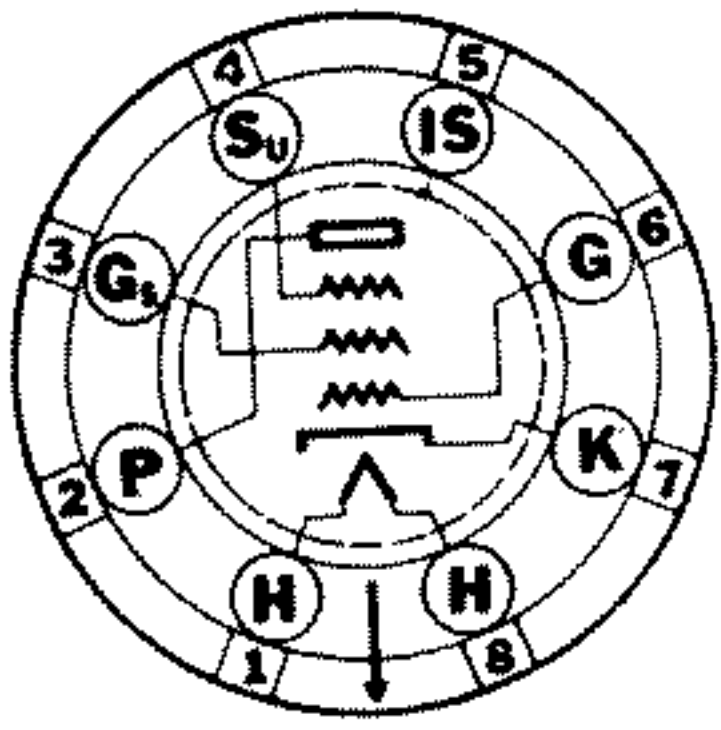


Sylvania Type 7H7

SEMI-REMOTE CUT-OFF RF

PENTODE

GT EQUIVALENT 6SH7GT



8V-L-5

PHYSICAL SPECIFICATIONS

Base.....	Lock-In 8 Pin
Bulb.....	T9
Maximum Overall Length.....	2 ²⁵ / ₃₂ "
Maximum Seated Height.....	2 ¹ / ₄ "
Mounting Position.....	Any

RATINGS

Heater Voltage AC or DC (Nominal).....	7.0 Volts
Heater Current (Nominal).....	0.320 Ampere
Maximum Plate Voltage.....	300 Volts
Maximum Screen Voltage.....	150 Volts
Maximum Screen Supply Voltage.....	300 Volts
Maximum Plate Dissipation.....	2.5 Watts
Maximum Screen Dissipation.....	0.5 Watt
Minimum External Grid Bias Voltage.....	0 Volt
Maximum Heater-Cathode Voltage.....	90 Volts

Direct Interelectrode Capacitances:*

Grid to Plate.....	0.007 μ mf. Max.
Input.....	8.0 μ mf.
Output.....	7.0 μ mf.

*With 1⁵/₁₆" diameter shield (RMA Std. M8-308) connected to cathode

TYPICAL OPERATION

CLASS A₁ AMPLIFIER

Heater Voltage (AC or DC).....	6.3	6.3 Volts
Heater Current.....	0.300	0.300 Ampere
Plate Voltage.....	100	250 Volts
Screen Voltage.....	100	150 Volts
Grid Voltage.....	-1 Volts
Self-Bias Resistor.....	80	180 Ohms
Suppressor and Internal Shield.....	Connect to Cathode	
Plate Current.....	8.2	10.0 Ma.
Screen Current.....	3.3	3.2 Ma.
Plate Resistance.....	0.25	0.8 Megohm
Mutual Conductance.....	4800	4200 μ mhos
Grid Voltage for Mutual Conductance of 35 μ mhos (Approximate).....	-12	-19 Volts

APPLICATION

Sylvania Type 7H7 is a semi-remote cut-off pentode suitable for RF or television service. It is similar to Type 6AB7 except for lower heater current and slightly lower mutual conductance. The Lock-In construction provides ruggedness, suitable shielding and short leads so necessary in high-frequency circuits. The high mutual conductance helps to compensate for the low gain associated with high-frequency and wide-band amplifier designs.

7H7 (Cont.)

