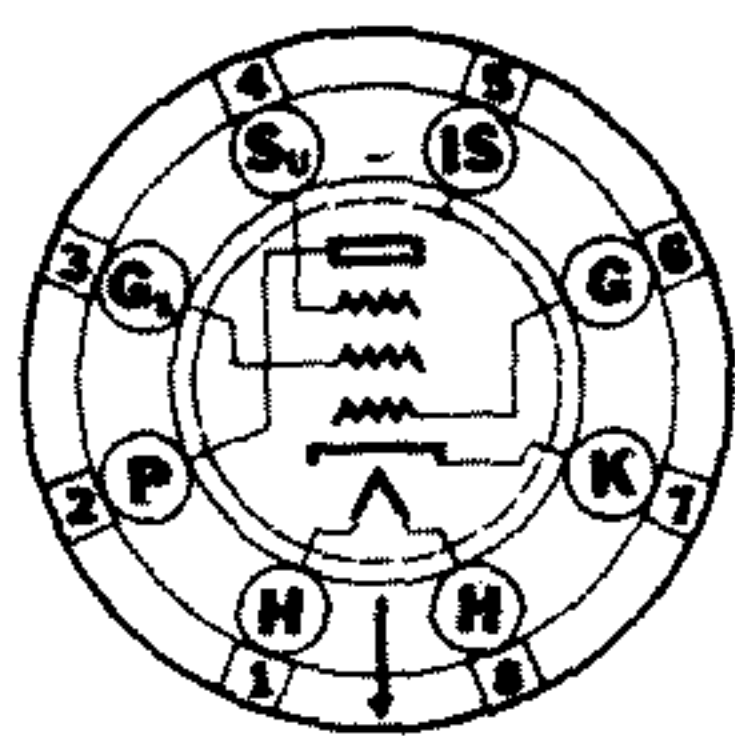
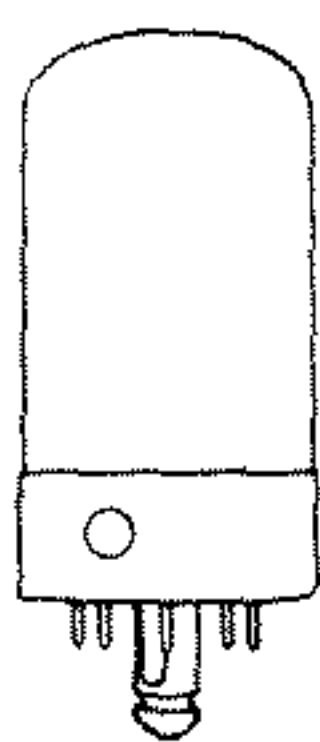




8V-L-5



Sylvania Type 7A7

REMOTE CUT-OFF RF PENTODE

GT EQUIVALENT 6SK7GT

PHYSICAL SPECIFICATIONS

Base.....	Lock-In 8 Pin
Bulb.....	T-9
Maximum Overall Length.....	2 ²⁵ / ₃₂ "
Maximum Seated Height.....	2 ¹ / ₄ "
Mounting Position.....	Any

RATINGS

Heater Voltage (Nominal) AC or DC.....	7.0 Volts
Heater Current (Nominal).....	0.32 Ampere
Maximum Plate Voltage.....	300 Volts
Maximum Screen Voltage.....	125 Volts
Maximum Plate Dissipation.....	4.0 Watts
Maximum Screen Dissipation.....	0.4 Watt
Minimum External Grid Bias Voltage.....	0 Volt
Maximum Heater-Cathode Voltage.....	90 Volts

Direct Interelectrode Capacitances:*

Grid to Plate.....	0.005 μ f. Max.
Input; Grid to (F + K + G ₂ + G ₃).....	5.5 μ f.
Output; Plate to (F + K + G ₂ + G ₃).....	7.0 μ f.

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

TYPICAL OPERATION

Heater Voltage.....	6.3	6.3 Volts
Heater Current.....	0.3	0.3 Ampere
Plate Voltage.....	100	250 Volts
Screen Voltage.....	100	100 Volts
Grid Voltage.....	-1.0	-3 Volts
Self-Bias Resistor.....	60	260 Ohms
Suppressor.....	Connect to Cathode	
Plate Current.....	13.0	9.2 Ma.
Screen Current.....	4.0	2.6 Ma.
Plate Resistance.....	0.12	0.8 Megohm
Mutual Conductance.....	2350	2000 μ mhos
Grid Voltage for Mutual Conductance of 10 μ mhos.....	-35	-35 Volts

APPLICATION

Sylvania Type 7A7 is a single-ended remote cut-off pentode designed for RF or IF service in AC or DC receivers. For AC-DC service, Types 14A7 or 7B7 may be more suitable because of lower heater current ratings. Electrical characteristics are similar to the older Types 6K7GT and 6SK7GT. In most applications the internal shield connected to pin No. 5 should provide adequate shielding, although an external shield may be required if extremely high gain circuits are used.

