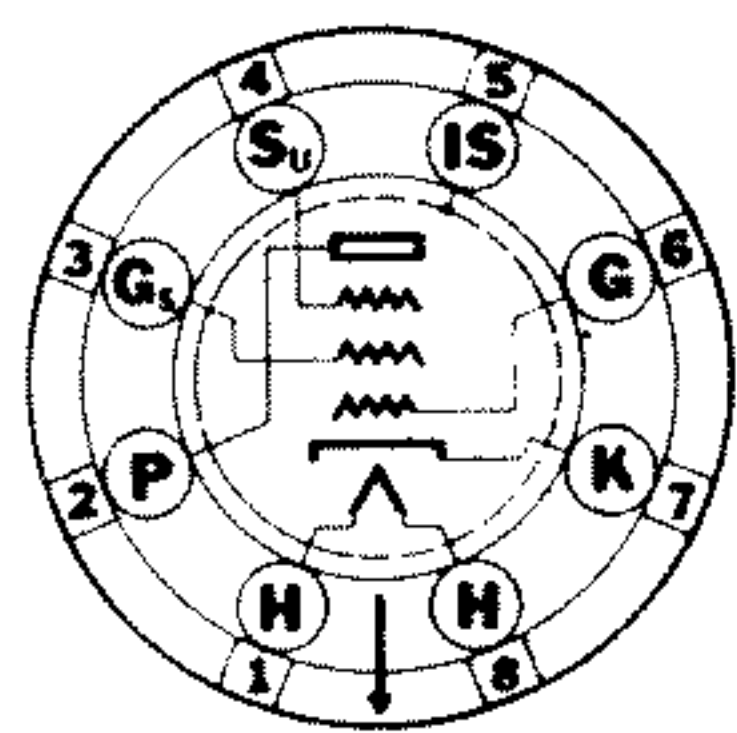
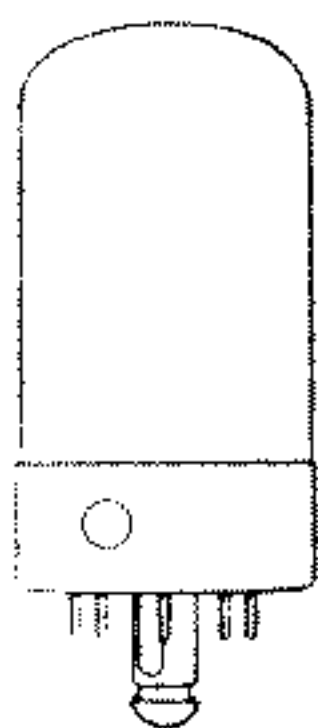




8V-L-5



Sylvania Type 7C7

SHARP CUT-OFF RF PENTODE

GT EQUIVALENT 6W7G

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 AC or DC (Nominal).....	7.0 Volts
Heater Current.....	0.16 Ampere
Maximum Plate Voltage.....	300 Volts
Maximum Screen Voltage.....	100 Volts
Maximum Screen Supply.....	300 Volts
Maximum Plate Dissipation.....	1.0 Watt
Maximum Screen Dissipation.....	0.1 Watt
Minimum Grid Bias.....	0 Volt
Maximum Heater-Cathode Voltage.....	90 Volts

Direct Interelectrode Capacitances:*

Grid to Plate (G1 to P).....	0.007 μ f. Max.
Input; G1 to (F + K + Gs + Su + Shield).....	5.5 μ f.
Output; P to (F + K + Gs + Su + Shield).....	6.5 μ f.

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

TYPICAL OPERATION

Heater Voltage.....	6.3	6.3 Volts
Heater Current.....	0.150	0.150 Ampere
Plate Voltage.....	100	250 Volts Max.
Screen Voltage.....	100	100 Volts Max.
Grid Voltage.....	-3	-3 Volts Min.
Self-Bias Resistor.....	130	120 Ohms
Suppressor Grid.....	Connect to Cathode	
Plate Current.....	1.8	2.0 Ma.
Screen Current.....	0.4	0.5 Ma.
Plate Resistance (Approximate).....	1.2	2 Megohms
Mutual Conductance.....	1225	1300 μ mhos

APPLICATION

Sylvania Type 7C7 is a sharp cut-off pentode with a low heater current rating. In other respects it is similar to the older Type 6J7GT. Design data for use in resistance coupled circuits appears on Page 50.

