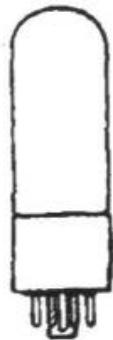




8N-1-5



Sylvania Type 6SE7^{GT}

SHARP CUT-OFF RF PENTODE

PHYSICAL SPECIFICATIONS

Base.....	Small Wafer Octal 8 Pin Metal Sleeve
Bulb.....	T9
Maximum Overall Length.....	3 ³ / ₈ "
Maximum Seated Height.....	2 ³ / ₄ "
Mounting Position.....	Any

RATINGS

Heater Voltage AC or DC.....	6.3 Volts
Heater Current.....	0.300 Ampere
Maximum Plate Voltage.....	300 Volts
Maximum Screen Supply.....	300 Volts
Maximum Screen Voltage.....	125 Volts
Maximum Plate Dissipation.....	4.0 Watts
Maximum Screen Dissipation.....	0.4 Watt
Minimum External Control Grid Voltage.....	0 Volt
Maximum Heater-Cathode Voltage.....	90 Volts

Direct Interelectrode Capacitances:*

Grid to Plate.....	0.005 μ f. Max.
Input.....	8.0 μ f.
Output.....	7.5 μ f.

*With 1³/₁₆" diameter shield (RMA Std. M8-308) connected to cathode.

TYPICAL OPERATION

CLASS A₁ AMPLIFIER

Heater Voltage.....	6.3	6.3 Volts
Heater Current.....	0.300	0.300 Ampere
Plate Voltage.....	100	250 Volts
Screen Voltage.....	100	100 Volts
Grid Voltage.....	-1	-1.5 Volts
Plate Resistance (Approximate).....	0.1	1.0 Megohm
Mutual Conductance.....	3000	3100 μ mhos
Control Grid Voltage for Cut Off.....	-5	-5 Volts
Plate Current.....	5.5	4.5 Ma.
Screen Current.....	2.4	1.5 Ma.
Self-Bias Resistor.....	125	250 Ohms
Suppressor Connected to Cathode.....		