



Sylvania  
**TYPE 6E7**  
(FOR MAJESTIC SETS)  
**RF PENTODE**

**CHARACTERISTICS**

Heater Voltage AC or DC . . . . .	6.3 Volts
Heater Current . . . . .	0.3 Ampere

**Direct Interelectrode Capacitances:**

Grid to Plate (with tube shield) . . . . .	0.007 $\mu\text{f}$ Max.
Input . . . . .	4.7 $\mu\text{f}$
Output . . . . .	6.5 $\mu\text{f}$
Maximum Over-all Length. . . . .	$4\frac{1}{8}$ "
Maximum Diameter (without external shield) . . . . .	$1\frac{3}{16}$ "
Bulb . . . . .	ST-12
Cap . . . . .	Small Metal
Base—Small 7-Pin . . . . .	7-H

**Operating Conditions and Characteristics:**

Heater Voltage . . . . .	6.3	6.3 Volts
Plate Voltage . . . . .	100	250 Volts Max.
Grid Voltage . . . . .	-3	-3 Volts Min.
Screen Voltage . . . . .	100	100 Volts Max.
Plate Current . . . . .	7.8	8.2 Ma.
Screen Current . . . . .	2.0	2.0 Ma.
Plate Resistance . . . . .	0.225	0.8 Megohm
Mutual Conductance . . . . .	1475	1600 $\mu\text{mhos}$
Mutual Conductance at -40 volts bias . . . . .	9	10 $\mu\text{mhos}$
Amplification Factor . . . . .	330	1280

For Circuit Application refer to Sylvania Type 6D6.