

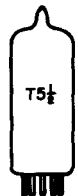
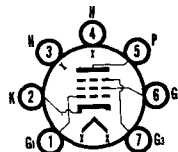
**6JK6**

4JK6, 5JK6

Color Television Type  
**IF AMPLIFIER**

**Sharp Cutoff Pentode**

- Construction ..... Miniature T-5½
- Base ..... Button 7 Pin, E7-1
- Basing ..... 7CM
- Outline ..... 5-2
- Maximum Diameter ..... 0.750 In.
- Maximum Seated Height ..... 1.875 In.
- Maximum Overall Height ..... 2.125 In.



7CM

**ELECTRICAL DATA**

**HEATER OPERATION**

	<b>4JK6</b>	<b>5JK6</b>	<b>6JK6</b>
Heater Voltage.....	3.7	4.9	6.3 Volts
Heater Current .....	600	450	350 Ma
Heater Warm-up Time .....	11	11	— Seconds
Maximum Heater-Cathode Voltage			
Heater Negative with Respect to Cathode			
Total DC and Peak.....			200 Volts
Heater Positive with Respect to Cathode			
DC .....			100 Volts
Total DC and Peak.....			200 Volts

**DIRECT INTERELECTRODE CAPACITANCES (Unshielded)**

Grid No. 1 to Plate (Max.).....	0.02 Pf
Input: g1 to (h + k + g2 + g3 + IS) .....	9.5 Pf
Output: p to (h + k + g2 + g3 + IS) .....	2.7 Pf

**RATINGS (Design Maximum Rating System)**

Plate Voltage (Max.) .....	275 Volts
Grid No. 2 Supply Voltage (Max.) .....	275 Volts
Grid No. 2 Voltage .....	See Rating Chart (Gen. Info. Sec.)
Plate Dissipation (Max.) .....	2.5 Watts
Grid No. 2 Dissipation (Max.) .....	0.6 Watt
Cathode Current (Max.).....	22 Ma
Grid No. 1 Circuit Resistance (Self Bias) (Max.) .....	0.5 Megohm

**CHARACTERISTICS AND TYPICAL OPERATION**

**Class A1 Amplifier**

Plate Voltage .....	125 Volts
Grid No. 3 Voltage .....	Connected to Cathode at Socket
Grid No. 2 Voltage .....	125 Volts
Cathode Bias Resistor .....	68 Ohms
Plate Current .....	11.5 Ma
Grid No. 2 Current .....	3.9 Ma
Transconductance .....	18,000 $\mu$ mhos
Plate Resistance (Approx.) .....	0.15 Megohm
Grid No. 1 Voltage for Ib = 20 $\mu$ a (Approx.) .....	-3.5 Volts
R Input at 44 MHz .....	4000 Ohms