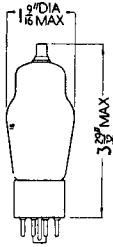


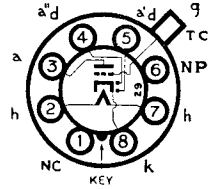
# 6R7G 6SC7GT



Replacement Type

## TYPE 6R7G (OCTAL BASE)

### DOUBLE DIODE TRIODE



#### RATINGS

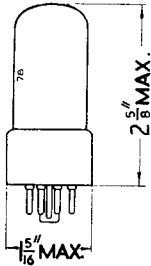
Heater Voltage ... .. 6.3 volts      Heater Current ... .. 0.3 amp.

#### OPERATING CHARACTERISTICS

Anode Voltage ... .. 250 volts      Anode Impedance ... .. 8,500 ohms  
 Anode Current ... .. 9.5 mA      Mutual Conductance ... .. 1.9 mA/V  
 Control Grid Voltage ... .. -9 volts      Amplification Factor ... .. 16

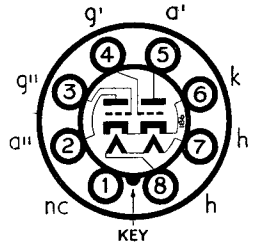
#### OPERATION AS RESISTANCE COUPLED AMPLIFIER

Anode Supply Voltage ... .. 250 volts      Peak Output ... .. 60 volts  
 Anode Load Resistor ... .. 0.1 meg.      Voltage Gain ... .. 10  
 Cathode Bias Resistor ... .. 400 ohms



Replacement Type

## TYPE 6SC7GT HIGH-MU DOUBLE TRIODE



#### CATHODE (Indirectly Heated)

Heater Voltage ... .. 6.3 volts  
 Heater Current ... .. 0.3 amps. (nom.)  
 Max. Heater-Cathode Potential ... .. 250 volts

#### DIMENSIONS

Max. overall length ... .. 3 3/8 inches  
 Max. Bulb diameter ... .. 1 1/8 inches  
 Max. seated height... .. 2 3/8 inches

#### RATINGS

Max. Anode Voltage ... .. 250 volts  
 Max. Anode Dissipation ... .. 1.0 watts

#### TYPICAL OPERATING CONDITIONS (Single Triode)

Anode Voltage ... .. 250 volts  
 Grid Voltage ... .. -2.0 volts  
 Anode Current ... .. 2.0 mA  
 Anode Impedance ... .. 53,000 ohms  
 Mutual Conductance ... .. 1.325 mA/V  
 Amplification Factor ... .. 70

#### CAPACITANCES

C<sub>ag</sub> ... .. 2 pF  
 C<sub>in</sub> ... .. 2 pF  
 C<sub>out</sub> ... .. 3 pF