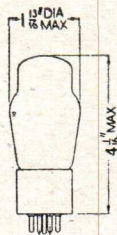
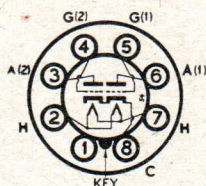


**6N7G/GT**  
**6P8G**

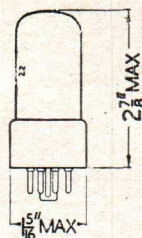
Replacement Types  
**TYPES 6N7G, 6N7GT**



**6N7G.**



**DOUBLE TRIODES**



**6N7GT.**

**RATINGS**

|                                |     |     |     |     |                |
|--------------------------------|-----|-----|-----|-----|----------------|
| Heater Voltage                 | ... | ... | ... | ... | 6.3 volts      |
| Heater Current                 | ... | ... | ... | ... | 0.8 amp.       |
| Anode Voltage                  | ... | ... | ... | ... | 300 volts max. |
| Peak Anode Current (per Anode) | ... | ... | ... | ... | 125 mA max.    |
| Anode Dissipation (per Anode)  | ... | ... | ... | ... | 5.5 watts max. |

**OPERATING CHARACTERISTICS**

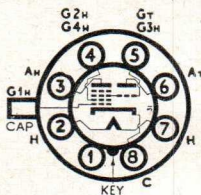
|                                  | Each Section (Class A) | Both Sections (Class B) |
|----------------------------------|------------------------|-------------------------|
| Anode Voltage                    | 250                    | 300 volts               |
| Anode Current (Zero Signal)      | 3.0                    | 35 mA                   |
| Anode Current (Max. Signal)      | —                      | 70 mA                   |
| Grid Voltage                     | -5                     | 0 volts                 |
| Cathode Bias Resistor            | 1,000                  | — ohms                  |
| Anode Impedance                  | 23,000                 | — ohms                  |
| Mutual Conductance               | 1.6                    | — mA/V                  |
| Amplification Factor             | 35                     | —                       |
| Peak Input (Grid—Grid)           | —                      | 82 volts                |
| Peak Grid Current (Each Section) | —                      | 22 mA                   |
| Optimum Load                     | 30,000                 | 8,000 ohms*             |
| Power Output                     | 0.2                    | 10 watts                |

\* Anode to Anode load.



**Obsolete Type**  
**For Reference Only**

**TYPE 6P8G**  
**(OCTAL BASE)**  
**TRIODE-HEXODE**  
**FREQUENCY CHANGER**



|                           |     |           |                           |     |             |
|---------------------------|-----|-----------|---------------------------|-----|-------------|
| Heater Voltage            | ... | 6.3 volts | Triode Anode Voltage      | ... | 100 volts   |
| Heater Current            | ... | 0.8       | Triode Anode Resistor     | ... | 70,000 ohms |
| Anode Voltage             | ... | 250 volts | Triode Anode Current      | ... | 2.3 mA      |
| Anode Current             | ... | 2.2 mA    | Triode Grid (G1) Resistor | ... | 50,000 ohms |
| Screen (G2, G4) Voltage   | ... | 80 volts  | Triode Grid Current       | ... | 0.25 mA     |
| Screen Current            | ... | 3.0 mA    | Anode Impedance           | ... | 0.7 meg.    |
| Control Grid (G1) Voltage | ... | -3 volts  | Conversion Conductance    | ... | 0.65 mA/V   |
| Cathode Bias Resistor     | ... | 200 ohms  |                           |     |             |