CHAMPION RADIO WORKS

TYPE 6SQ7G

Duplex-Diode High-Nu Triode

Coated Unipotential Cathode

Pin Connections:

<table>
<thead>
<tr>
<th>Pin 1</th>
<th>No Connection</th>
<th>Pin 5</th>
<th>Diode Plate #1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pin 2</td>
<td>Triode Grid</td>
<td>Pin 6</td>
<td>Triode Plate</td>
</tr>
<tr>
<td>Pin 3</td>
<td>Cathode</td>
<td>Pin 7</td>
<td>Heater</td>
</tr>
<tr>
<td>Pin 4</td>
<td>Diode Plate #2</td>
<td>Pin 8</td>
<td>Heater</td>
</tr>
</tbody>
</table>

Base: Small Shell Octal 8 Pin
Bulb: ST - 12
Maximum Diameter: 1 9/16"
Maximum Overall Length: 4 1/8"
Mounting Position: Any

Direct Interelectrode Capacities:

- Grid to Cathode: 5.2 uuf.
- Grid to Plate: 2.0 uuf.
- Plate to Cathode: 1.5 uuf.

Ratings:

- Heater Voltage (ac or dc): 6.5 volts
- Heater Current: 0.8 amp
- Maximum Plate Voltage: 300 volts

Typical Operation and Characteristics:

Triode Unit

- Plate Voltage: 250 volts
- Grid Voltage: -2.0 volts
- Amplification Factor: 100
- Plate Resistance: 91000 ohms
- Transconductance: 1100 umhos
- Plate Current: 0.8 ma.

Diode Units - Two

Similar to Type 6Q7G or Type 75 Diodes

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