TUNG-SOL
DIODE TRIODE
REMOTE CUT-OFF PENTODE

PHYSICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Emitter</th>
<th>Unipotential Cathode</th>
<th>PIN CONNECTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base</td>
<td>Intermediate-8 Pin Octal</td>
<td>PIN 1 Cathodes*</td>
</tr>
<tr>
<td>Cap</td>
<td>Skirted Miniature-Style C</td>
<td>PIN 2 Pent. Heater</td>
</tr>
<tr>
<td>Bulb</td>
<td>T-9</td>
<td>PIN 3 Pent. Plate</td>
</tr>
<tr>
<td>Max. Dia.</td>
<td>1 5/16&quot;</td>
<td>PIN 4 Pent. Grid #2</td>
</tr>
<tr>
<td>Max. Overall Length</td>
<td>3 9/16&quot;</td>
<td>PIN 5 Triode Grid</td>
</tr>
<tr>
<td>Max. Seated Height</td>
<td>3&quot;</td>
<td>PIN 6 Triode Plate</td>
</tr>
</tbody>
</table>

* Diode-Triode Cathode Tied to Pentode Cathode

RATINGS

| HEATER OR FILAMENT VOLTAGE (AC OR DC) | 25.0 VOLTS |
| HEATER OR FILAMENT CURRENT | 0.15 AMP |
| MAXIMUM PLATE VOLTAGE | |

DIRECT INTERELECTRODE CAPACITANCES

| Pentode to Cathode | 5.2 µµf |
| Plate to Cathode   | 10.0 µµf |
| Control Grid to Plate | 0.015 µµf MAX. 2.5 µµf |
| Pentode Control Grid to Triode Grid | 0.01 µµf MAX. |
| Pentode Control Grid to Triode Plate | 0.02 µµf MAX. |
| Pentode Plate to Triode Grid | 0.10 µµf MAX. |

OPERATING CONDITIONS AND CHARACTERISTICS

**TRIODE SECTION - CLASS A1 AMPLIFIER**

| Plate Voltage | 100 VOLTS |
| Grid Voltage  | -1 VOLT   |
| Plate Current | 0.5 MA    |
| Plate Resistance | 91000 OHMS |
| Transconductance | 1100 µµHOS |
| Amplification Factor | 100 |

**PENTODE SECTION - CLASS A1 AMPLIFIER**

| Plate Voltage | 100 VOLTS |
| Screen Voltage (Grid #2) | 100 VOLTS |
| Control Grid Voltage (Grid #1) | -3 VOLTS |
| Plate Current | 8.5 MA |
| Screen Current | 2.7 MA |
| Plate Resistance Approx. | 200,000 OHMS |
| Transconductance | 1900 µµHOS |
| Control Grid Voltage | -35 VOLTS |

FOR TRANSCONDUCTANCE = 2 µµHOS APPROX.