MECHANICAL DATA

- Bulb: T-6½
- Base: E9-1, Small Button 9-Pin
- Basing: 9A
- Cathode: Coated Unipotential
- Mounting Position: Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

- Heater Voltage Series/Parallel: 12.6/6.3 Volts
- Heater Current Series/Parallel: 175/350 mA

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

<table>
<thead>
<tr>
<th>Section</th>
<th>Grid to Plate</th>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.5</td>
<td>1.6</td>
<td>0.5</td>
</tr>
<tr>
<td>2</td>
<td>1.5 µF</td>
<td>1.6 µF</td>
<td>0.35 µF</td>
</tr>
</tbody>
</table>

RATINGS (Absolute Maximum Values) Each Section

- Plate Voltage: 330 Volts
- Plate Dissipation: 3.0 Watts
- Heater Cathode Voltage: 100 Volts
- Cathode Current: 22 mA
- Bulb Temperature: 180°C
- Electrode Insulation (min.):
  - Grid to All Other Elements: 100 Megohms
  - Plate to All Other Elements: 100 Megohms

TYPICAL OPERATION

- Class A1 Amplifier — Each Section
- Plate Voltage: 250 Volts
- Grid Voltage: -85 Volts
- Plate Current: 10.5 mA
- Transconductance: 2200 µmhos
- Amplification Factor: 17
- Grid Voltage for I₀ = 10 µA: -24 Volts

NOTES:

1. Section No. 1 connects to pins 6, 7 and 8.
2. E₉ = 12.6 volts; E₉ to all other elements = 100 volts DC.
3. E₉ = 12.6 volts; E₉ to all other elements = -300 volts DC.

SYLVANIA ELECTRIC PRODUCTS INC.
RADIO TUBE DIVISION
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AVERAGE PLATE CHARACTERISTICS