TWIN-PENTODE POWER AMPLIFIER

Heater
Coated Unipotential Cathode
Voltage 12.6 a-c or d-c volts
Current 0.15 amp.
Direct Interelectrode Capacitances (Approx.):°

<table>
<thead>
<tr>
<th>Pentode Unit P₁</th>
<th>Pentode Unit P₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grid to Plate</td>
<td>0.7</td>
</tr>
<tr>
<td>Input</td>
<td>5.0</td>
</tr>
<tr>
<td>Output</td>
<td>6.0</td>
</tr>
<tr>
<td>Grid to Grid</td>
<td>0.08</td>
</tr>
<tr>
<td>Plate to Plate</td>
<td>1.5</td>
</tr>
<tr>
<td>Grid P₁ to Plate P₂</td>
<td>0.2</td>
</tr>
<tr>
<td>Grid P₂ to Plate P₁</td>
<td>0.1</td>
</tr>
</tbody>
</table>

Maximum Overall Length 3-5/16"
Maximum Seated Height 2-3/4"
Maximum Diameter 1-5/16"
Bulb T-9

Base Intermediate Shell Octal 8-Pin
Pin 1-Grid P₁
Pin 2-(Supressor P₁ & P₂)
Pin 3-Grid P₂
Pin 4-Plate P₂
Pin 5-Screen P₁ & P₂
Pin 6-Heater
Pin 7-Heater
Pin 8-Plate P₁

Mounting Position BOTTOM VIEW (8BU)

Any

For convenience, one pentode unit is identified as P₁: the other as P₂.

Maximum Ratings Are Design-Center Values

AMPLIFIER—Each Unit

Plate Voltage 180 max. volts
Screen Voltage 180 max. volts
Plate Dissipation 2.5 max. watts
Screen Dissipation 1.0 max. watt
D-C Heater-Cathode Potential 100 max. volts

Typical Operation and Characteristics—Class A₂ Amplifier:

Plate Voltage 180 volts
Screen Voltage 180 volts
Grid Voltage (Grid No.1) -9 volts
Peak A-F Grid Voltage 9 volts
Zero-Sig. Plate Cur. 13 ma.
Max.-Sig. Plate Cur. 13.5 ma.
Zero-Sig. Screen Cur. 2.8 ma.
Max.-Sig. Screen Cur. 4.6 ma.
Plate Resistance 0.16 megohm
Transconductance 2150 μmhos
Load Resistance 10000 ohms
Power Output (total harmonic dist. 10%) 1.0 watt

° With no external shield.