RADIotron
1J6-G
CLASS B TWIN AMPLIFIER

Filament
Voltage
Current
Maximum Overall Length
Maximum Seated Height
Maximum Diameter
Bulb
Mounting Position
Base
Pin 1-No Connection
Pin 2-Filament +
Pin 3-Plate (T2)
Pin 4-Grid (Tg)

Coated
0.24 d-c volts
amp.
4-1/8"
3-9/16"
1-9/16"
ST-12
Vertical, Base Down
Small Shell Octal 8-Pin
Pin 5-Grid (T1)
Pin 6-Plate (T1)
Pin 7-Filament-
Pin 8-No Connection

BOTTOM VIEW (O-7AB)
(for convenience, one triode unit is identified as T1, the other as T2)

Maximum Ratings are Design-Centre Values.
CLASS B (AUDIO FREQUENCY) POWER AMPLIFIER.

Plate Voltage
135 \( \text{max. volts} \)
Peak Plate Current (per plate)
50 \( \text{max. mA} \)

Typical Operation:

<table>
<thead>
<tr>
<th>Item</th>
<th>2.0</th>
<th>2.0</th>
<th>2.0</th>
<th>2.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>135</td>
<td>135</td>
<td>135</td>
<td>135</td>
</tr>
<tr>
<td>Grid Voltage</td>
<td>-4.5</td>
<td>-4.5</td>
<td>-4.5</td>
<td>0</td>
</tr>
<tr>
<td>Zero-Sig. Plate Cur. (total)</td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
<td>10</td>
</tr>
<tr>
<td>Max. Sig. Plate Cur. (total)</td>
<td>13.6</td>
<td>18.0</td>
<td>24.5</td>
<td>-</td>
</tr>
<tr>
<td>Effective Load Res. (plate to plate)</td>
<td>20000</td>
<td>15000</td>
<td>10000</td>
<td>10000</td>
</tr>
<tr>
<td>Peak A-F Grid-to-Grid Voltage</td>
<td>42</td>
<td>60</td>
<td>66</td>
<td>-</td>
</tr>
<tr>
<td>Average Power Input#</td>
<td>28</td>
<td>90</td>
<td>120</td>
<td>170 approx. mW</td>
</tr>
<tr>
<td>Power Output</td>
<td>1.0</td>
<td>1.25</td>
<td>1.6</td>
<td>2.1 approx. watts</td>
</tr>
</tbody>
</table>

R-F POWER AMPLIFIER AND OSCILLATOR - CLASS C.

Maximum Ratings on Request.

○ Horizontal operation permitted if pins 1 and 4 are in vertical plane.

* Applied between grids to give indicated value of power output.

\# One type 1K5-G, connected as a triode, may be used as a driver under the following conditions: Plate volts 135, grid volts -4.5, plate current 3.5 mA, driver transformer ratio 2.2:1 primary to half-secondary.

 Indicates a change.

AMALGAMATED WIRELESS VALVE CO. PTY. LTD.
DECEMBER, 1944
SYDNEY, AUSTRALIA