Coaxial Repeater Pentode
5A/152M

CATHODE.
Indirectly heated Oxide coated
Voltage 6.3 V
Nominal current 0.47 A

RATING.
Mutual conductance (at 1a 10mA) 7.5 mA/V

INTER-ELECTRODE CAPACITIES.
Grid to anode 0.018 pF
Input 10 pF
Output 5 pF

DIMENSIONS.
Maximum overall length 80.2 mm.
Maximum seated height 66.7 mm.
Maximum diameter 30.15 mm.
Net weight 28.5 grms.

MAXIMUM RATINGS.
Maximum direct anode voltage 250 V
Maximum direct screen voltage 150 V
Maximum direct screen current 5 mA
Maximum anode dissipation 5 W
Equivalent noise resistance 670 Ω
TYPICAL OPERATING CONDITIONS.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct anode voltage</td>
<td>250 V</td>
</tr>
<tr>
<td>Direct anode current</td>
<td>10 mA</td>
</tr>
<tr>
<td>Direct screen voltage</td>
<td>150 V</td>
</tr>
<tr>
<td>Direct screen current</td>
<td>2 mA</td>
</tr>
<tr>
<td>Direct suppressor voltage</td>
<td>0 V</td>
</tr>
<tr>
<td>Load impedance</td>
<td>6,000 Ω</td>
</tr>
<tr>
<td>Power output</td>
<td>50 mW</td>
</tr>
<tr>
<td>Distortion</td>
<td>&lt;5 %</td>
</tr>
</tbody>
</table>
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B.B.B.
BASE.

BASING
1 HEATER
2 ANODE
3 GRID 2
4 GRID 3
5 SHIELDS
6 GRID 1
7 CATHODE
8 HEATER

<table>
<thead>
<tr>
<th>DIM</th>
<th>MILLIMETRES</th>
<th>INCHES</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>80.2 MAX</td>
<td>3 5/32 MAX</td>
</tr>
<tr>
<td>B</td>
<td>66.7 MAX</td>
<td>2 5/8 MAX</td>
</tr>
<tr>
<td>C</td>
<td>30.15 MAX</td>
<td>1 3/16 MAX</td>
</tr>
</tbody>
</table>

NOTE: BASIC FIGURES ARE INCHES

May 1947