**WESTINGHOUSE**

**X-RAY TUBE DATA SHEET**

Electron Tube Type 5534

**GENERAL**

**Electrical Data**
- Filament Current Range: 3.5 to 5.5 Amperes
- Filament Voltage Range: 3.5 to 10 Volts

**Mechanical Data**
- Type of Cooling: Air
- Focal Spot Size
  - Projected Length: 4.2 mm
  - Width: 4.2 mm
- Base Description: 62-2
- Maximum Overall Dimensions: 15-1/4 x 3-13/16 Inches
- Outline Drawing Number: 5534
- Mounting Position: Any

**MAXIMUM RATINGS**

- Heat Capacity
  - Continuous Rating: 150,000 Heat units
- Maximum Fluoroscopic Rating at a Loading of 425 (KV x MA)**
  - 10 Minutes

<table>
<thead>
<tr>
<th></th>
<th>Full Wave</th>
<th>Half Wave</th>
<th>Inverse</th>
<th>Useful</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak plate voltage</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>90</td>
<td>Kilovolts</td>
</tr>
</tbody>
</table>

- Value of D-C average current at maximum voltage rating: 68 45
- Allowable time of operation under above conditions: 1/20 1/20
  - 1/20 Second

Table of short-time ratings which are given as the product of peak kv useful times D-C average milliamperes.

<table>
<thead>
<tr>
<th>Time</th>
<th>Full Wave</th>
<th>Half Wave</th>
<th>Self-rectified</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1 Sec.</td>
<td>18250</td>
<td>13000</td>
<td>8700</td>
</tr>
<tr>
<td>1</td>
<td>11500</td>
<td>9600</td>
<td>6900</td>
</tr>
<tr>
<td>5</td>
<td>8100</td>
<td>7300</td>
<td>5650</td>
</tr>
<tr>
<td>30</td>
<td>3400</td>
<td>3400</td>
<td>3400</td>
</tr>
</tbody>
</table>

*Heat units are defined as the product of the peak voltage in kilovolts, D-C average current in milliamperes, and the exposure time in seconds, and is proportional to energy.

**KV x MA** is defined as the product of Peak KV times D-C average MA and is proportional to power.
RMA TYPES 5532, 5533, 5534

- $\frac{1}{8}$ DIA
- $3\frac{13}{16}'' + 1''$
- $\frac{15}{4}'' + \frac{1}{4}''$

DIRECTION OF X-RAYS

MEDIUM SCREW BASE

1.750"-28 THREAD.