Westinghouse Developmental Number 594.

GENERAL

Electrical Data
Filament Current Range 1.6 - 2.5 Amps.
Filament Voltage Range 2.4 - 3.5 Volts

Mechanical Data
Type of Cooling OIL
Focal Spot Size
Projected Length 1.5 mm.
Width 1.5 mm.
Maximum Overall Length 5 Inches
Outline Drawing Number 80089D
Mounting Position Any

MAXIMUM RATING

Heat Capacity 20,000 * Heat Units
Continuous Rating 15,000 Heat Units
Per Minute

Maximum Fluoroscopic Rating at a
Loading of 850 (KV x MA)**
1,000 Seconds

<table>
<thead>
<tr>
<th>Self-Rectified</th>
<th>Self-Rectified</th>
<th>Inverse</th>
<th>Useful</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak Plate Voltage</td>
<td>75</td>
<td>70</td>
<td>Kilovolts</td>
<td></td>
</tr>
<tr>
<td>Value of DC Average</td>
<td>-</td>
<td>15</td>
<td>Milliamperes</td>
<td></td>
</tr>
<tr>
<td>Current of Maximum Voltage Rating</td>
<td>-</td>
<td>18</td>
<td>Seconds</td>
<td></td>
</tr>
</tbody>
</table>

Allowable Time of Operation Under
Above Conditions

Table of short-time ratings which are given as the product of peak useful KV times DC average milliamperes.

<table>
<thead>
<tr>
<th>Time</th>
<th>Self-Rectified</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 Seconds</td>
<td>930</td>
</tr>
<tr>
<td>50 Seconds</td>
<td>720</td>
</tr>
<tr>
<td>100 Seconds</td>
<td>820</td>
</tr>
</tbody>
</table>

* Heat units are defined as the product of the peak voltage in kilovolts, DC 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 DC average MA and is proportional to power.