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 Oil
Projected Length 3.0 mm.
Width 3.0 mm.
Base Description None
Maximum Overall Dimensions 8-3/16 x 2-7/16 Inches
Outline Drawing Number 60011
Mounting Position Any

MAXIMUM RATINGS

Heat Capacity 100,000 *Heat Units
Continuous Rating 30,000 Heat Units Per Minute

Maximum Fluoroscopic Rating at a Loading of 425 (KV x MA)**
Continuous to Heat Capacity of Head

<table>
<thead>
<tr>
<th>Peak Plate Voltage</th>
<th>Full Wave</th>
<th>Half Wave</th>
<th>Self-Rectified Inverse</th>
<th>Self-Rectified Useful</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>110</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 98 79 ... 19 Milliamperes

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>10800</td>
<td>7400</td>
<td>4950</td>
</tr>
<tr>
<td>1 &quot;</td>
<td>7600</td>
<td>5900</td>
<td>4160</td>
</tr>
<tr>
<td>5 &quot;</td>
<td>5900</td>
<td>4800</td>
<td>3600</td>
</tr>
<tr>
<td>30 &quot;</td>
<td>3400</td>
<td>3300</td>
<td>2740</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.
***Ratings are for 100 KV peak plate voltage.