7020 (635L) HALF WAVE RECTIFIER TUBE
TECHNICAL INFORMATION

Description: An argon-mercury vapor, half-wave, rectifier tube designed especially for industrial power rectifier applications up to 250 volts d.c.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>dc Amperes output (maximum)</td>
<td>6.4</td>
</tr>
<tr>
<td>Instantaneous Amperes output (maximum)</td>
<td>77</td>
</tr>
<tr>
<td>Maximum time of averaging anode current (seconds)</td>
<td>20</td>
</tr>
<tr>
<td>Maximum peak inverse volts</td>
<td>1000</td>
</tr>
<tr>
<td>Filament volts</td>
<td>2.5</td>
</tr>
<tr>
<td>Filament amperes</td>
<td>18 ± 2</td>
</tr>
<tr>
<td>Filament heating time (seconds)</td>
<td>60</td>
</tr>
<tr>
<td>Typical arc drop at 20 amperes peak (volts)</td>
<td>9</td>
</tr>
<tr>
<td>Typical anode starting voltage (volts)</td>
<td>20</td>
</tr>
<tr>
<td>Maximum ac short circuit current (amperes)</td>
<td>770</td>
</tr>
<tr>
<td>Condensed mercury temperature limits (°C)</td>
<td>0 to +100</td>
</tr>
<tr>
<td>Approximate temperature rise, cond. mercury above ambient (°C)</td>
<td>30</td>
</tr>
<tr>
<td>Mounting position</td>
<td>vertical, base down</td>
</tr>
<tr>
<td>Net weight (ounces)</td>
<td>6</td>
</tr>
<tr>
<td>Approx. shipping weight (lbs.)</td>
<td>4</td>
</tr>
</tbody>
</table>

ALL DATA ARE BASED ON RETURNS TO FILAMENT TRANSFORMER CENTER TAP
LIGHT FILAMENT BEFORE APPLYING LOAD

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