ADVANCE ELECTRON TUBE DATA SHEET

WESTERN ELECTRIC 5589* ELECTRON TUBE

CLASSIFICATION

Three-electrode, inert-gas-filled, cold cathode tube.

MOUNTING

The tube may be mounted in any position.

MAXIMUM RATINGS (ABSOLUTE VALUES)

 Peak Anode Voltage
   Inverse 200 volts
   Forward 275 volts

 Cathode Current
   Peak 200 milliamperes
   Direct Current for life of 1,000 hours 35 milliamperes
   Direct Current for life of 10,000 hours 20 milliamperes

 Frequency
   60 cycles/second

 Ambient Temperature Limits
   -40 to +60°C centigrade

 Peak Starter Current
   Starter Voltage, Positive 100 milliamperes
   Starter Voltage, Negative 1.0 milliamperes

 ELECTRICAL DATA

<table>
<thead>
<tr>
<th></th>
<th>MIN.</th>
<th>MIDDLE</th>
<th>MAX.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anode Voltage Drop</td>
<td>55</td>
<td>65</td>
<td>70</td>
</tr>
<tr>
<td>Starter Voltage Drop</td>
<td>55</td>
<td>60</td>
<td>70</td>
</tr>
<tr>
<td>Starter Breakdown Voltage</td>
<td>70</td>
<td>80</td>
<td>90</td>
</tr>
<tr>
<td>Required Transfer Current, Anode at 130 volts</td>
<td>200</td>
<td>---</td>
<td>--- microamperes</td>
</tr>
<tr>
<td>Deionization Time, approx.</td>
<td>---</td>
<td>2000</td>
<td>--- microseconds</td>
</tr>
</tbody>
</table>

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