PolySwitch®
PTC Devices
Overcurrent Protection Device

Specification Status: Released

Electrical Rating
Voltage: 14 Vdc MAX
Current: 100 A MAX

Terminal Material:
Brass H65
Thickness: 0.8mm
Tin plating thickness: 5μm

Insulating Material:
Red color PBT, Meets UL94V-0 Requirements

Marking:
× - Manufacturer’s
Mark 14VDC - Voltage
Rating
BD280-1130-10 - Part ID
□ □ □ □ - Lot Number

TABLE I. DIMENSIONS :

<table>
<thead>
<tr>
<th></th>
<th>A (Mm)</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E(x2)</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN</td>
<td>MAX</td>
<td>MIN</td>
<td>MAX</td>
<td>MIN</td>
<td>MAX</td>
<td>MIN</td>
</tr>
<tr>
<td>30.0</td>
<td>30.6</td>
<td>8.7</td>
<td>9.3</td>
<td>10.75</td>
<td>11.25</td>
<td>6.05</td>
</tr>
<tr>
<td>1.181</td>
<td>1.205</td>
<td>0.343</td>
<td>0.366</td>
<td>0.423</td>
<td>0.443</td>
<td>0.238</td>
</tr>
<tr>
<td>MIN</td>
<td>MAX</td>
<td>MIN</td>
<td>MAX</td>
<td>MIN</td>
<td>MAX</td>
<td>MIN</td>
</tr>
<tr>
<td>0.82</td>
<td>0.85</td>
<td>0.012</td>
<td>0.013</td>
<td>0.014</td>
<td>0.015</td>
<td>0.007</td>
</tr>
</tbody>
</table>

*Rounded off approximation

TABLE II: PERFORMANCE RATINGS:

<table>
<thead>
<tr>
<th>INITIAL RESISTANCE VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT 25°C</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Reference Documents: PS300, PS400 & SAE-J2685
Precedence: This specification takes precedence over documents referenced herein.
Effectivity: Reference documents shall be the issue in effect on the date of invitation or bid.
CAUTION: Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame. When using a test probe to probe either of the two test points on the top of the device, care should be taken to avoid puncturing through the insulating material of the device, as this can result in shorting out the terminals which can cause electrical arcing or flame.

Materials Information
ROHS Compliant
ELV Compliant
Pb-Free

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