Peltier Cooler

Features

- Solid-state reliability
- High integrity nickel diffusion barriers on elements
- High strength for rugged environments
- Porched style for enhanced leadwire strength
- Sealed & lapped for multi-module applications

Dimensions

- Input (Black) + Input (Red)

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imax</td>
<td>9A</td>
</tr>
<tr>
<td>Vmax</td>
<td>15.8V DC</td>
</tr>
<tr>
<td>Pc max</td>
<td>88W</td>
</tr>
<tr>
<td>ACR</td>
<td>1.4Ω</td>
</tr>
<tr>
<td>ΔTmax</td>
<td>68°C</td>
</tr>
<tr>
<td>A</td>
<td>30mm</td>
</tr>
<tr>
<td>A1</td>
<td>34mm</td>
</tr>
<tr>
<td>B</td>
<td>30mm</td>
</tr>
<tr>
<td>H</td>
<td>2.8mm</td>
</tr>
<tr>
<td>L</td>
<td>100mm</td>
</tr>
</tbody>
</table>

- (At hot side temperature Th = 25°C / 298K, under dry N2)
- Pc max = Cooling power at ΔT = 0 and I = Imax
- ΔTmax = Temperature difference at I = Imax and Pc = 0
- Solder melting point 138°C
- Max. recommended mounting pressure: 1MPa
Peltier Cooler

At hot side temperature 25°C

At hot side temperature 50°C
At hot side temperature 75°C

Part Number Table

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peltier Cooler, 88W, 1.4Ω, 9A</td>
<td>MCHPE-128-10-05-E</td>
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