**SERIES:** CP60H-2  |  **DESCRIPTION:** PELTIER MODULE

**FEATURES**
- arcTEC™ structure
- solid state device
- 2-stage cooler
- precise temperature control
- silent operation

![Peltier Module Image](image)

**MODEL**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>input voltage(^1) (Vdc)</th>
<th>input current(^2) (A)</th>
<th>internal resistance(^3) (Ω±10%)</th>
<th>output Qmax(^4) (W)</th>
<th>output ∆Tmax(^2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP60404567H-2</td>
<td>14.2</td>
<td>6</td>
<td>2.14</td>
<td>32</td>
<td>82</td>
</tr>
</tbody>
</table>

**Notes:**
1. Maximum voltage at ∆T max and \(T_h=27°C\)
2. Maximum current to achieve ∆T max
3. Measured by AC 4-terminal method at 25°C
4. Maximum heat absorbed at cold side occurs at \(I_{max}, V_{max}\), and ∆T=0°C
5. Maximum temperature difference occurs at \(I_{max}, V_{max}\), and Q=0W (ΔT max measured in a vacuum at 1.3 Pa)
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>parameter</th>
<th>conditions/description</th>
<th>min</th>
<th>typ</th>
<th>max</th>
<th>units</th>
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</thead>
<tbody>
<tr>
<td>solder melting temperature</td>
<td>connection between thermoelectric pairs</td>
<td>235</td>
<td></td>
<td></td>
<td>°C</td>
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<tr>
<td>assembly compression</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td>MPa</td>
</tr>
<tr>
<td>hot side plate</td>
<td></td>
<td>100</td>
<td></td>
<td></td>
<td>°C</td>
</tr>
</tbody>
</table>

RoHS                       | yes                                           |     |     |     |       |

**MECHANICAL DRAWING**

units: mm

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**MATERIAL**

- ceramic plate: 96% Al₂O₃
- wire leads: 20 AWG tin
- sealer: silicon rubber 703 RTV (between cold and hot side plates)
- joint cover: silicon rubber 703 RTV
- marking: P/N & S/N printed on cold side surface

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**COLD SIDE**

- 6.7±0.2 mm
- 0.05 mm

**HOT SIDE**

- 41.25 ± 0.75 mm
- 0.05 mm

**Additional Resources:**
- Product Page
- 3D Model
PERFORMANCE (Th=27°C)

![Graph showing performance at Th=27°C]

PERFORMANCE (Th=50°C)

![Graph showing performance at Th=50°C]
## REVISION HISTORY

<table>
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<tr>
<th>rev.</th>
<th>description</th>
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<tr>
<td>1.0</td>
<td>initial release</td>
<td>05/21/2018</td>
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<tr>
<td>1.01</td>
<td>brand update</td>
<td>10/29/2019</td>
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The revision history provided is for informational purposes only and is believed to be accurate.