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

**SERIES:** CP36H-2  |  **DESCRIPTION:** PELTIER MODULE

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

**MODEL**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>input voltage(^1) max (Vdc)</th>
<th>input current(^2) max (A)</th>
<th>internal resistance(^3) typ (Ω±10%)</th>
<th>output Qmax(^4) (T_h=27°C) (W)</th>
<th>output (\Delta T_{max})(^2) (T_h=50°C) (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP36367H-2</td>
<td>16.7</td>
<td>3.6</td>
<td>4.43</td>
<td>21</td>
<td>82</td>
</tr>
</tbody>
</table>

Notes:
1. Maximum voltage at \(\Delta T\) max and \(T_h=27°C\)
2. Maximum current to achieve \(\Delta T\) 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 \(\Delta T=0°C\)
5. Maximum temperature difference occurs at \(I_{max}, V_{max}\), and \(Q=0W\) (\(\Delta T\) max measured in a vacuum at 1.3 Pa)
CUI Devices | SERIES: CP36H-2 | DESCRIPTION: PELTIER MODULE

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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<td>assembly compression</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td>MPa</td>
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<tr>
<td>hot side plate</td>
<td></td>
<td></td>
<td>100</td>
<td></td>
<td>°C</td>
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<tr>
<td>RoHS</td>
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<td>yes</td>
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MECHANICAL DRAWING

units: mm

- MATERIAL
- PLATING
  - 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

HOT SIDE

Red (+)

Black (-)

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Additional Resources:  Product Page  |  3D Model

cuidevices.com
PERFORMANCE (Th=27°C)

PERFORMANCE (Th=50°C)
### REVISION HISTORY

<table>
<thead>
<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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<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.