# HP-127-1.4-2.5-72

## Thermoelectric Module (Peltier Module) Specifications

<table>
<thead>
<tr>
<th>Material Specifications (27 °C hot side temperature)</th>
<th>Material Specifications (50 °C hot side temperature)</th>
<th>Module specifications are nominal values based on the hot-side temperature indicated. Thermoelectric material parameter tolerance is +/-10%.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vmax (V)</td>
<td>16.3</td>
<td>In no case should the module temperature be allowed to exceed its maximum operation/storage temperature.</td>
</tr>
<tr>
<td>Imax (A)</td>
<td>3.7</td>
<td>Please review all product and technical information, Thermoelectric Module Mounting Procedure, parameter definitions, FAQ’s, and ordering information posted on our website before purchasing or using this product.</td>
</tr>
<tr>
<td>Qmax (W)</td>
<td>37.4</td>
<td></td>
</tr>
<tr>
<td>DTmax (°C)</td>
<td>72</td>
<td></td>
</tr>
<tr>
<td>Operation/storage temperature</td>
<td>-40 °C to +80 °C</td>
<td></td>
</tr>
</tbody>
</table>

In no case should the module temperature be allowed to exceed its maximum operation/storage temperature.

### Optional Features and Notes:

- Add "P" to part number for sealing module with epoxy potting.
- Performance graphs include thermal resistance of substrates.
- Optional Features and Notes:
  - Width, A (mm): 40 ±0.5/-0.2
  - Width, B (mm): 40 ±0.5/-0.2
  - Height, H (mm): 4.8 ±0.05
  - Flatness, F (mm): 0.02
  - Parallelism, P (mm): 0.03
  - Wire Size, WS (mm²): 0.2
  - Wire Length, WL (mm): 120

---

TE TECHNOLOGY, INC.  1590 Keane Drive, Traverse City, MI, 49696-8257 USA
PH: 231-929-3966  FAX: 231-929-4163  email: cool@tetech.com
Expert Engineering, Precision Manufacturing: Quality Thermal Solutions Delivered

NOTE: All specifications are subject to change without notice. © 2018 TE Technology, Inc.
Unpotted HP-127-1.4-2.5-72 at a hot-side temperature of 30 °C
Potted HP-127-1.4-2.5-72 at a hot-side temperature of 30 °C

Note: All specifications subject to change without notice. © 2018 TE Technology, Inc.
Unpotted HP-127-1.4-2.5-72 at a hot-side temperature of 50 °C
Potted HP-127-1.4-2.5-72 at a hot-side temperature of 50 °C
Unpotted HP-127-1.4-2.5-72 at a hot-side temperature of 70 °C
Potted HP-127-1.4-2.5-72 at a hot-side temperature of 70 °C