## Thermoelectric Module Specifications

**VT-127-1.4-1.5-72**

### Material Specifications

<table>
<thead>
<tr>
<th>Material Specifications (27 °C hot side temperature)</th>
<th>Material Specifications (50 °C hot side temperature)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vmax (V)</td>
<td>16.3</td>
</tr>
<tr>
<td>Imax (A)</td>
<td>6.2</td>
</tr>
<tr>
<td>Qmax (W)</td>
<td>62.0</td>
</tr>
<tr>
<td>DTmax (°C)</td>
<td>72</td>
</tr>
</tbody>
</table>

**Operation/storage temperature**

-40 °C to +200 °C

Module material specifications are nominal values based on the hot-side temperature indicated. Thermoelectric material parameter tolerance is +/-10%.

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

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.

### Thermoelectric Module (Peltier Module)

- **Vmax (V)**: 16.3 - 18.1
- **Imax (A)**: 6.2 - 6.2
- **Qmax (W)**: 62.0 - 68.0
- **DTmax (°C)**: 72 - 81

### Optional Features and Notes:

- **Width, A (mm)**: 40 +0.5/-0.2
- **Width, B (mm)**: 40 +0.5/-0.2
- **Height, H (mm)**: 3.9 ±0.05
- **Flatness, F (mm)**: 0.02
- **Parallelism, P (mm)**: 0.03
- **Wire Size, WS (mm²)**: 0.35
- **Wire Length, WL (mm)**: 120

Optional Features and Notes:

Add "P" to part number for sealing module with epoxy potting.

Maximum operating/storage temperature with potting is 150 °C

Performance graphs include thermal resistance of substrates.

**RoHS Compliant**
Unpotted VT-127-1.4-1.5-72 at a hot-side temperature of 30 °C
Potted VT-127-1.4-1.5-72 at a hot-side temperature of 30 °C
Unpotted VT-127-1.4-1.5-72 at a hot-side temperature of 50 °C
Potted VT-127-1.4-1.5-72 at a hot-side temperature of 50 °C
Unpotted VT-127-1.4-1.5-72 at a hot-side temperature of 70 °C

Note: All specifications subject to change without notice.
Potted VT-127-1.4-1.5-72 at a hot-side temperature of 70 °C