### TE-65-0.6-1.2
#### 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 material specifications are nominal values based on the hot-side temperature indicated. Thermoelectric material parameter tolerance is +/-10%.</th>
</tr>
</thead>
<tbody>
<tr>
<td>V&lt;sub&gt;max&lt;/sub&gt; (V)</td>
<td>8.1</td>
<td>9.0</td>
</tr>
<tr>
<td>I&lt;sub&gt;max&lt;/sub&gt; (A)</td>
<td>1.4</td>
<td>1.4</td>
</tr>
<tr>
<td>Q&lt;sub&gt;max&lt;/sub&gt; (W)</td>
<td>6.9</td>
<td>7.6</td>
</tr>
<tr>
<td>D&lt;sub&gt;Tmax&lt;/sub&gt; (°C)</td>
<td>69</td>
<td>78</td>
</tr>
<tr>
<td>Operation/storage temperature</td>
<td>-40 °C to +80 °C</td>
<td>In no case should the module temperature be allowed to exceed its maximum operation/storage temperature.</td>
</tr>
</tbody>
</table>

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.

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**Thermoelectric Module**

- **V<sub>max</sub> (V)**: 8.1
- **I<sub>max</sub> (A)**: 1.4
- **Q<sub>max</sub> (W)**: 6.9
- **D<sub>Tmax</sub> (°C)**: 69

**Operation/storage temperature**: -40 °C to +80 °C

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**Optional Features and Notes:**

- **Width, A (mm)**: 13 ±0.5/-0.2
- **Width, B (mm)**: 12 ±0.5/-0.2
- **Height, H (mm)**: 2.95 ±0.15
- **Flatness, F (mm)**: 0.15
- **Parallelism, P (mm)**: 0.15
- **Wire Size, WS (mm²)**: 0.12
- **Wire Length, WL (mm)**: 50

- Optional Features and Notes:
  - Add "P" to part number for sealing module with epoxy potting.
  - Module includes 30 μm nickel metallization on hot and cold sides.
  - The metallization does not include pre-tinning.
  - Performance graphs include thermal resistance of substrates.
Unpotted TE-65-0.6-1.2 at a hot-side temperature of 30 °C
Potted TE-65-0.6-1.2 at a hot-side temperature of 30 °C
Unpotted TE-65-0.6-1.2 at a hot-side temperature of 50 °C
Potted TE-65-0.6-1.2 at a hot-side temperature of 50 °C
Unpotted TE-65-0.6-1.2 at a hot-side temperature of 70 °C

Note: All specifications subject to change without notice.
Potted TE-65-0.6-1.2 at a hot-side temperature of 70 °C