## HP-199-1.4-1.15
### Thermoelectric Module (Peltier Module) Specifications

<table>
<thead>
<tr>
<th></th>
<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>Vmax (V)</td>
<td>24.6</td>
<td>27.3</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>7.9</td>
<td>7.9</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>120.0</td>
<td>131.7</td>
<td></td>
</tr>
<tr>
<td>DTmax (°C)</td>
<td>69</td>
<td>78</td>
<td></td>
</tr>
<tr>
<td>Operation/storage temperature</td>
<td>-40 °C to +80 °C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Optional Features and Notes:

- Add "P" to part number for sealing module with epoxy potting.
- Performance graphs include thermal resistance of substrates.

**Width, A (mm)** | 40 +0.5/-0.2
**Width, B (mm)** | 40 +0.5/-0.2
**Height, H (mm)** | 3.6 ±0.05
**Flatness, F (mm)** | 0.02
**Parallelism, P (mm)** | 0.03
**Wire Size, WS (mm²)** | 0.35
**Wire Length, WL (mm)** | 120

---

**NOTE:** All specifications are subject to change without notice. © 2018 TE Technology, Inc.
Unpotted HP-199-1.4-1.15 at a hot-side temperature of 30 °C

Note: All specifications subject to change without notice.

© 2018 TE Technology, Inc.
Potted HP-199-1.4-1.15 at a hot-side temperature of 30 °C
Unpotted HP-199-1.4-1.15 at a hot-side temperature of 50 °C
Potted HP-199-1.4-1.15 at a hot-side temperature of 50 °C
Unpotted HP-199-1.4-1.15 at a hot-side temperature of 70 °C
Potted HP-199-1.4-1.15 at a hot-side temperature of 70 °C

Note: All specifications subject to change without notice.

© 2018 TE Technology, Inc.