### Material Specifications (27 °C hot side temperature) vs. Material Specifications (50 °C hot side temperature)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>27 °C</th>
<th>50 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vmax (V)</td>
<td>24.6</td>
<td>27.3</td>
</tr>
<tr>
<td>Imax (A)</td>
<td>7.9</td>
<td>7.9</td>
</tr>
<tr>
<td>Qmax (W)</td>
<td>120.0</td>
<td>131.7</td>
</tr>
<tr>
<td>DTmax (°C)</td>
<td>69</td>
<td>78</td>
</tr>
</tbody>
</table>

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.

#### Optional Features and Notes:

- **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

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.
Unpotted VT-199-1.4-1.15 at a hot-side temperature of 30 °C

Note: All specifications subject to change without notice.

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Potted VT-199-1.4-1.15 at a hot-side temperature of 30 °C
Unpotted VT-199-1.4-1.15 at a hot-side temperature of 50 °C

Note: All specifications subject to change without notice.
**Expert Engineering, Precision Manufacturing: Quality Thermal Solutions Delivered**

Potted VT-199-1.4-1.15 at a hot-side temperature of 50 °C

Note: All specifications subject to change without notice.

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Unpotted VT-199-1.4-1.15 at a hot-side temperature of 70 °C

Note: All specifications subject to change without notice.
Potted VT-199-1.4-1.15 at a hot-side temperature of 70 °C