### Material Specifications

<table>
<thead>
<tr>
<th>Vmax (V)</th>
<th>Lmax (A)</th>
<th>Qmax (W)</th>
<th>DTmax (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.8</td>
<td>1.7</td>
<td>3.9</td>
<td>69</td>
</tr>
<tr>
<td>4.2</td>
<td>1.7</td>
<td>4.3</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):** 8 ±0.5/-0.2
- **Width, B (mm):** 8 ±0.5/-0.2
- **Height, H (mm):** 2.75 ±0.15
- **Flatness, F (mm):** 0.15
- **Parallelism, P (mm):** 0.15
- **Wire Size, WS (mm²):** 0.12
- **Wire Length, WL (mm):** 50

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.

---

**External Information:**

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. TE-31-0.6-1.0 17-APR-2019 Page 1 of 7

---

**RoHS Compliant**
Unpotted TE-31-0.6-1.0 at a hot-side temperature of 30 °C
Potted TE-31-0.6-1.0 at a hot-side temperature of 30 °C

Note: All specifications subject to change without notice.
Unpotted TE-31-0.6-1.0 at a hot-side temperature of 50 °C
Potted TE-31-0.6-1.0 at a hot-side temperature of 50 °C
Unpotted TE-31-0.6-1.0 at a hot-side temperature of 70 °C

Note: All specifications subject to change without notice.
Potted TE-31-0.6-1.0 at a hot-side temperature of 70 °C