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**

**Vmax (V)** | 1.0 | 1.1
**Imax (A)**  | 0.7 | 0.7
**Qmax (W)**  | 0.4 | 0.4
**DTmax (°C)**| 67  | 76

**Operation/storage temperature**

-40 °C to +80 °C

**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.

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**Width, A (mm)** | 5 | +0.5/-0.2
**Width, B (mm)** | 3.4 | +0.5/-0.2
**Width, C (mm)** | 3.4 | +0.5/-0.2
**Height, H (mm)** | 2.3 | ±0.15
**Flatness, F (mm)** | 0.15 |
**Parallelism, P (mm)** | 0.15 |
**Wire Size, WS (mm²)** | 0.12 |
**Wire Length, WL (mm)** | 50 |

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Expert Engineering, Precision Manufacturing: Quality Thermal Solutions Delivered

NOTE: All specifications are subject to change without notice. © 2018 TE Technology, Inc.
Unpotted TE-8-0.45-1.3 at a hot-side temperature of 30 °C
Potted TE-8-0.45-1.3 at a hot-side temperature of 30 °C
Unpotted TE-8-0.45-1.3 at a hot-side temperature of 50 °C

Note: All specifications subject to change without notice.

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Potted TE-8-0.45-1.3 at a hot-side temperature of 50 °C
Unpotted TE-8-0.45-1.3 at a hot-side temperature of 70 °C
Potted TE-8-0.45-1.3 at a hot-side temperature of 70 °C