VT-199-1.4-0.8
Thermoelectric Module
(Peltier Module)
Specifications

| Material Specifications (27 °C hot side temperature) | Material Specifications (50 °C hot side temperature) | Module material specifications are nominal values based on the hot-side temperature indicated. Thermoelectric material parameter tolerance is +/-10%.

- Vmax (V) | 24.6 | 27.3
- Imax (A) | 11.3 | 11.3
- Qmax (W) | 172.0 | 188.7
- DTmax (°C) | 69 | 78

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.

| Operation/storage temperature | -40 °C to +200 °C |

Optional Features and Notes:
- Width, A (mm) | 40 +0.5/-0.2
- Width, B (mm) | 40 +0.5/-0.2
- Height, H (mm) | 3.2 ±0.05
- Flatness, F (mm) | 0.02
- Parallelism, P (mm) | 0.03
- Wire Size, WS (mm²) | 0.5
- Wire Length, WL (mm) | 120

Performance graphs include thermal resistance of substrates.

Add "P" to part number for sealing module with epoxy potting.

Maximum operating/storage temperature with potting is 150 °C

RoHS Compliant

NOTE: All specifications are subject to change without notice. © 2010 TE Technology, Inc.
Unpotted VT-199-1.4-0.8 at a hot-side temperature of 30 °C
Potted VT-199-1.4-0.8 at a hot-side temperature of 30 °C
Unpotted VT-199-1.4-0.8 at a hot-side temperature of 50 °C
Potted VT-199-1.4-0.8 at a hot-side temperature of 50 °C
Unpotted VT-199-1.4-0.8 at a hot-side temperature of 70 °C
Potted VT-199-1.4-0.8 at a hot-side temperature of 70 °C
### Profilo 8586 (120x70)mm

<table>
<thead>
<tr>
<th>Weight (Kg/mt)</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
<th>RTH (C/W)*</th>
<th>Lenght (mm)</th>
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![Diagram showing dimensions of Profilo 8586](image)

© PADA ENGINEERING S.r.l. Via G. B. Pirelli, 11 - Saltara (PU) 61030 - Italy Tel. +39 0721 899555 - Fax. +39 0721 897064 - www.padaengineering.com
5) RESISTANCE AT ROOM TEMPERATURE.  * TCR = .00519 AND RESISTANCE AT 0°C.
** TCR = .00536 AND RESISTANCE AT 0°C.
4) IF HEATER IS SUPPLIED WITH ADHESIVE BACKING, INSTALL HEATER PER THE
ENGINEERING INSTRUCTION INCLUDED WITH SHIPMENT.
3) LEADWIRE: A.W.G. #26, STRANDED, TFE INSULATED.
2) DIELECTRIC STRENGTH: 1,000 VOLTS RMS.
1) ELEMENT: NON-INDUCTIVE PATTERN.