

Peltier Element

Features

- The Thermoelectric modules utilise the Peltier phenomenon principle to pump heat when voltage is applied
- When supplied with a suitable electric current, they can either cool or heat
- Suited for cooling miniature electronic components such as infra-red detector chips, microwave IC's, fibre-optic lasers and detectors
- Solid-state long term stability

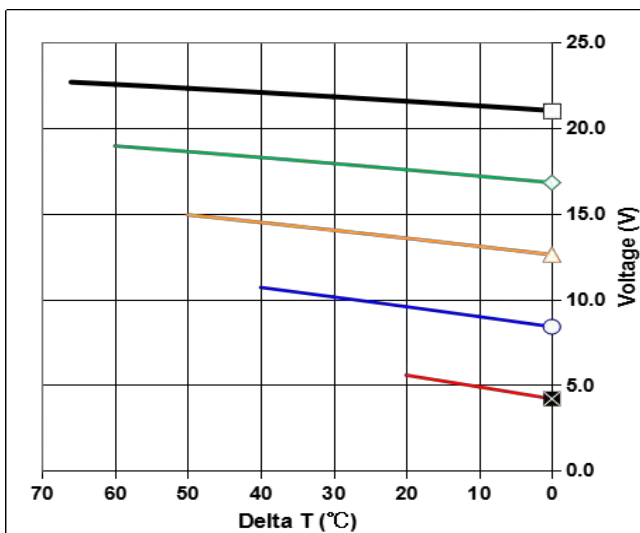


Specification

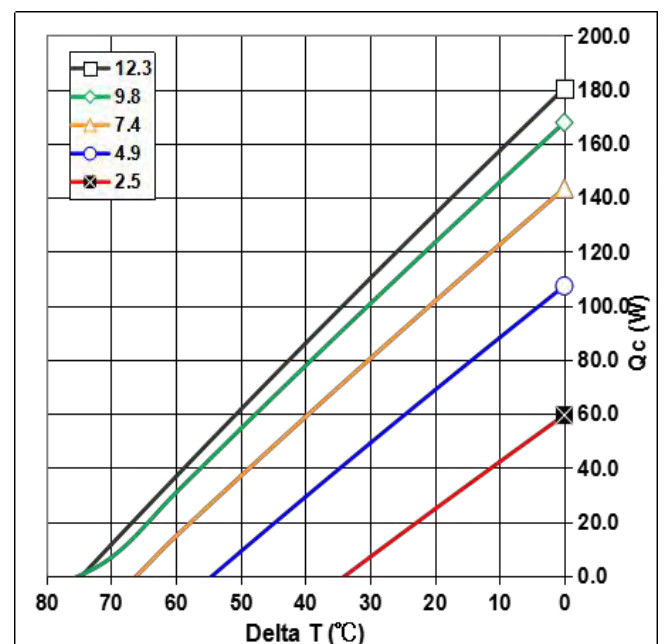
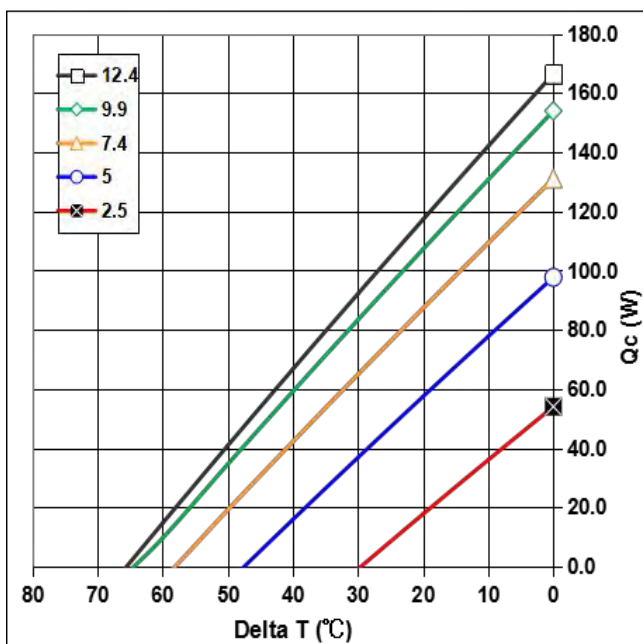
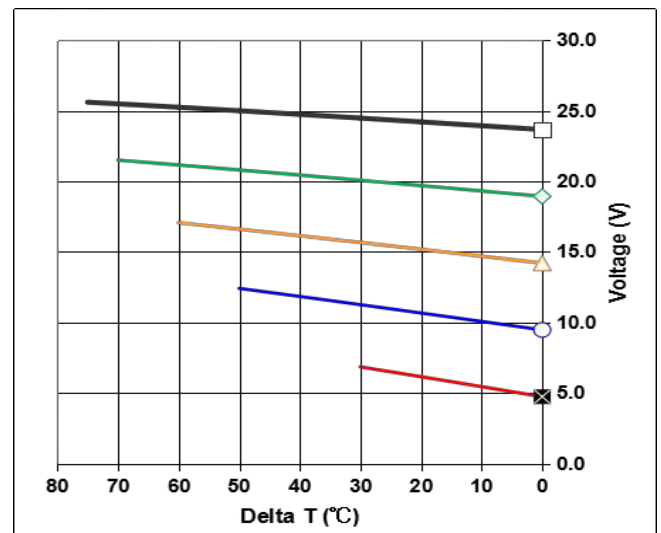
Hot Side Temperature	25 °C	50 °C
Qmax	166 W	180 W
Delta Tmax	67 °C	72 °C
I _{max}	12 A	12 A
V _{max}	24 V	25.6 V
Module Resistance	1.7 Ohm	1.91 Ohm

Tolerances for thermal and electrical parameters ± 10%

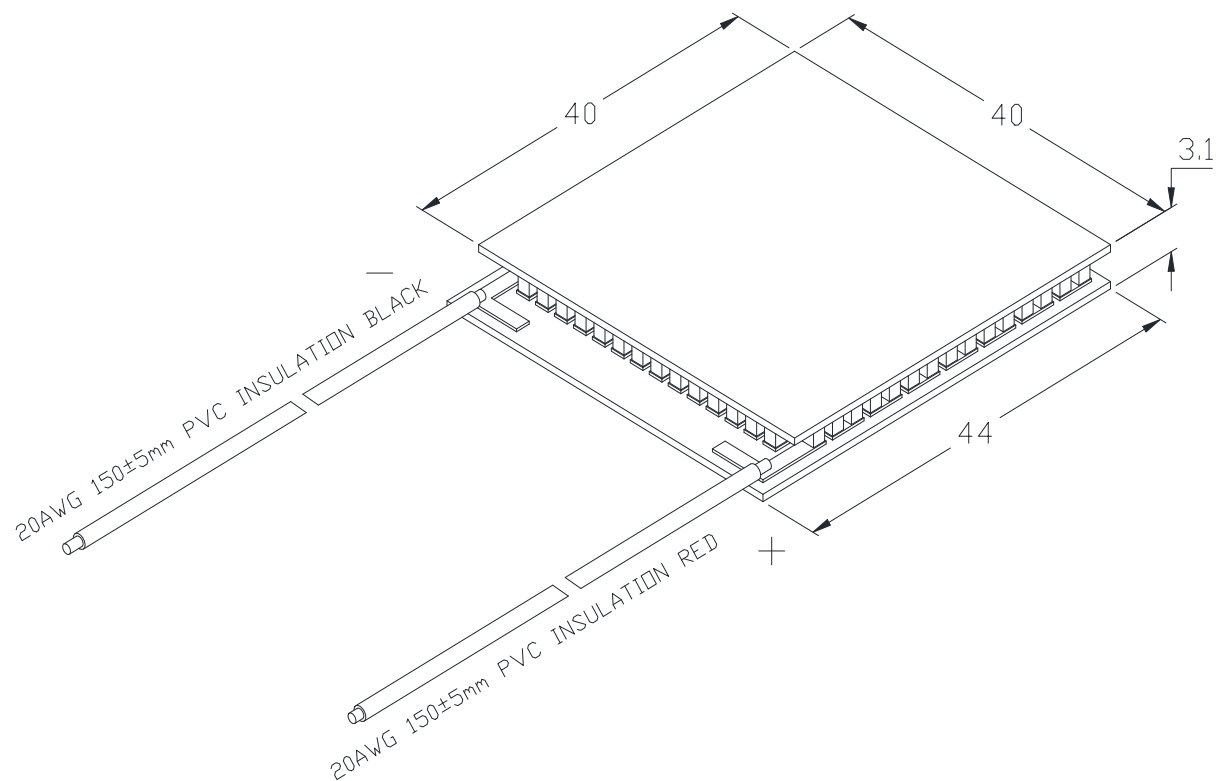
Performance Curves Th=25 °C



Performance Curves Th=50 °C



Mechanical Drawing



Operation Tips

- Max Operating Temperature: 90 °C
- Do not exceed I_{max} or V_{max} when operating module
- Please consult RND for moisture and corrosion protection options

Art Nr.

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