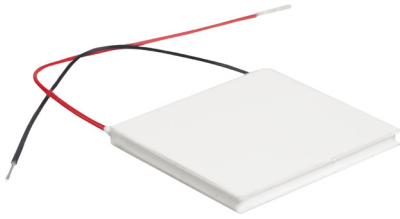


Thermoelectric Peltier Cooler Module

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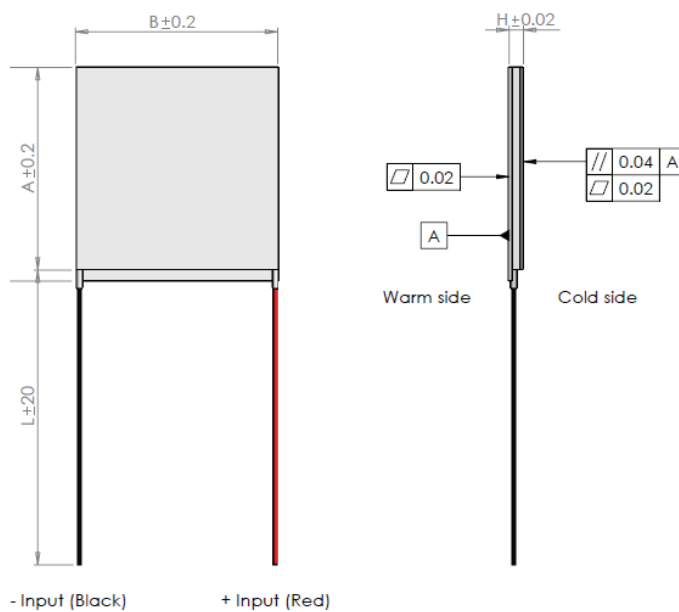


Electric Characteristics

| | |
|-------------------|-----------|
| I_{max} | : 3.9A |
| V_{max} | : 15.7Vdc |
| $P_c \text{ max}$ | : 35.2W |
| ΔT_{max} | : 74°C |

**RoHS
Compliant**

Diagram



Dimensions

| | |
|---|---------|
| A | : 30mm |
| B | : 30mm |
| H | : 3.6mm |
| L | : 100mm |

Dimensions : Millimetres

Notes

- Silicone sealed
- (At hot side temperature $T_h = 25^\circ\text{C} / 298\text{K}$, under dry N_2)
- $P_c \text{ max}$ = Cooling power at $\Delta T = 0$ and $I = I_{max}$
- ΔT_{max} = Temperature difference at $I = I_{max}$ and $P_c = 0$
- Max hot side temperature $T_h = 150^\circ\text{C}$ for best long term performance
- Max mounting pressure: 1.5MPa
- Wires: UL-style 1569, 105°C (Unstripped)

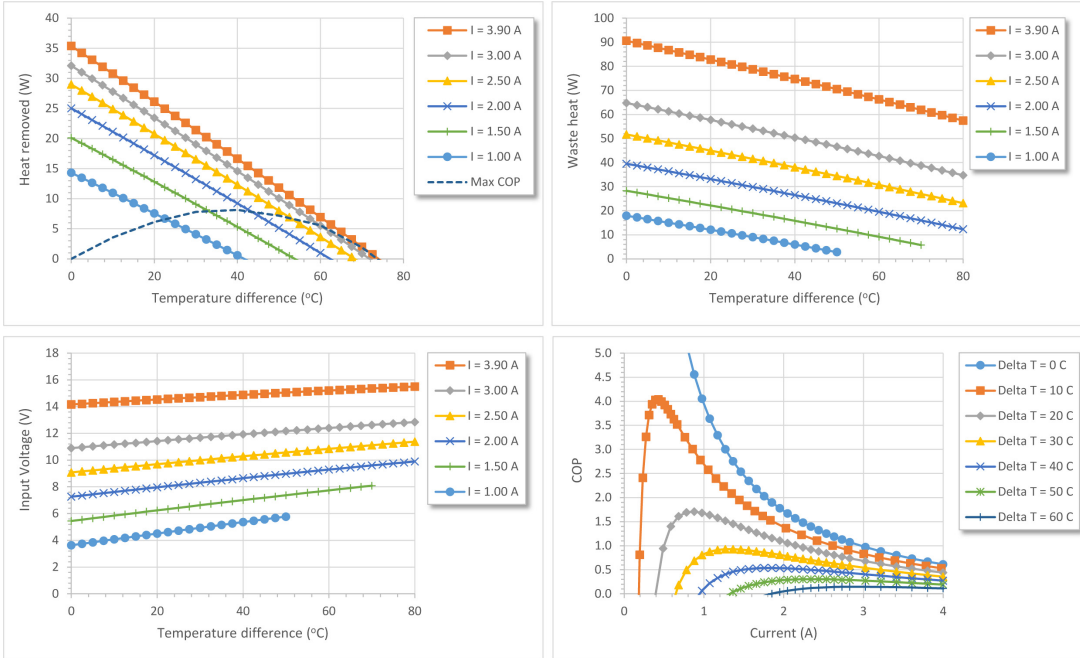
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Thermoelectric Peltier Cooler Module

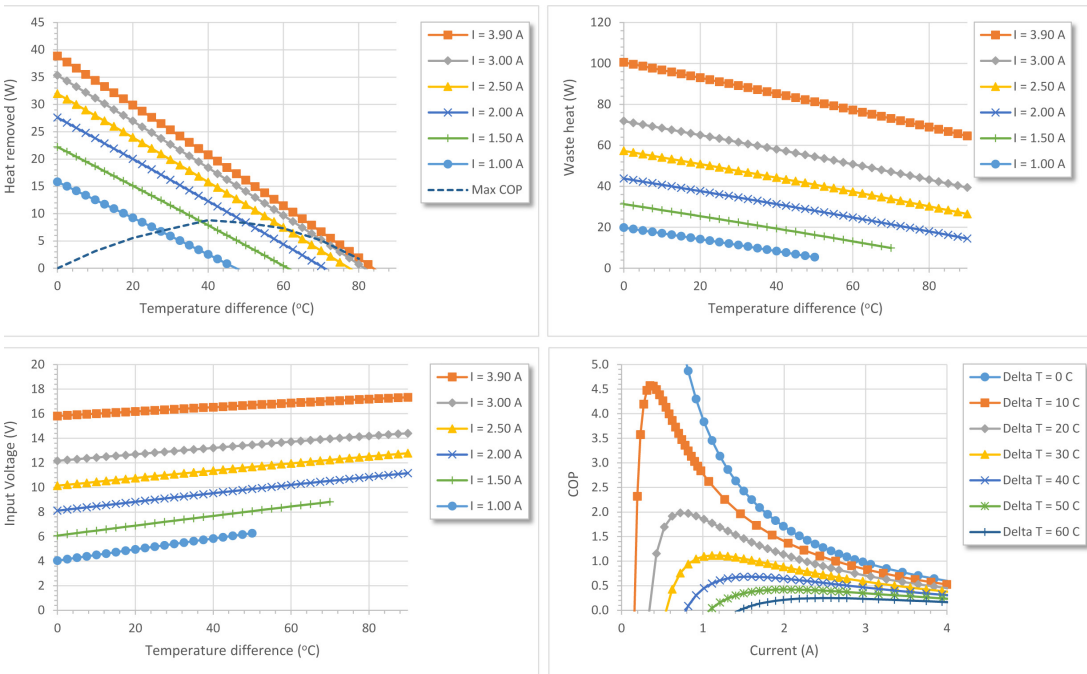


At hot side temperature 25°C



Note - Waste heat = Heat out of hot side

At hot side temperature 50°C



Note - Waste heat = Heat out of hot side

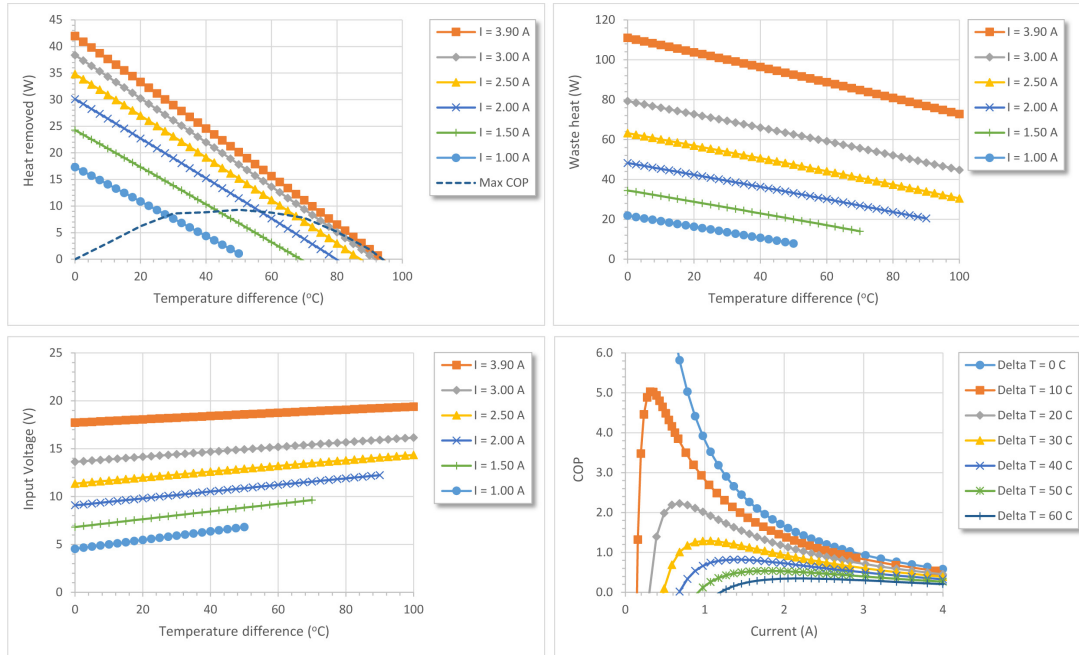
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Thermoelectric Peltier Cooler Module



At hot side temperature 75°C



Note - Waste heat = Heat out of hot side

Part Number Table

| Description | Part Number |
|---|-------------------|
| Peltier Cooler Module, Single Stage 35.2W | MPETH-127-10-13-S |

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