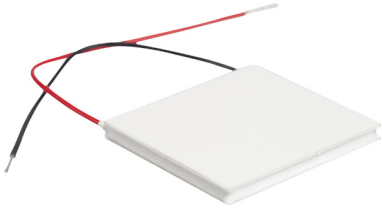


Thermoelectric Cooler Module **multicomp** PRO

RoHS
Compliant



Features

- Precise temperature control
- Solid-state reliability

Applications

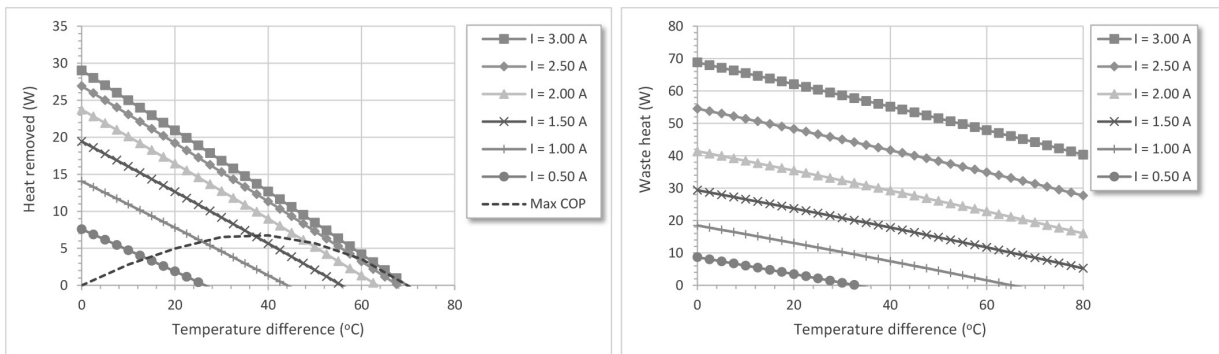
Automotive, Industrial, Telecommunications, Medical, Aerospace

Characteristics

| | |
|----------------------|-----------------|
| Th | : 27°C |
| DeltaT | : 70°C |
| Vmax | : 15.7V |
| Imax | : 3A |
| Qcmax | : 29.8W |
| AC Resistance | : 4 ±10% Ω |
| Solder Melting Point | : 235°C |
| Compression Strength | : 1 MPa |
| A | : 30mm |
| Al | : 30mm |
| B | : 30mm |
| H | : 3.85mm |
| L | : 100mm |
| Flatness/Parallelism | : 0.05 / 0.05mm |

- (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 $I = I_{\text{max}}$
- ΔT_{max} = Temperature difference at $I = I_{\text{max}}$ and $P_c = 0$
- Max hot side temperature $T_h = 90^\circ\text{C}$ for best long term performance
- Wires: UL rated wire to $105^\circ\text{C} / \text{AWG } 22$

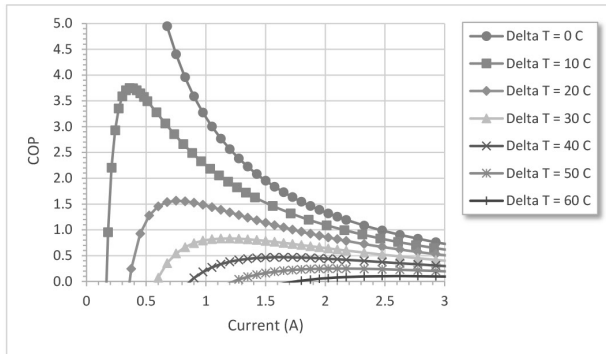
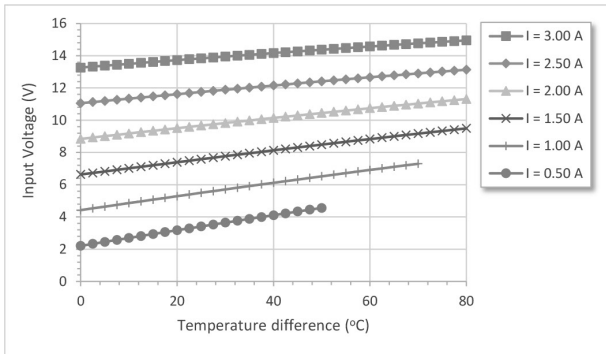
Hot side temperature 27°C



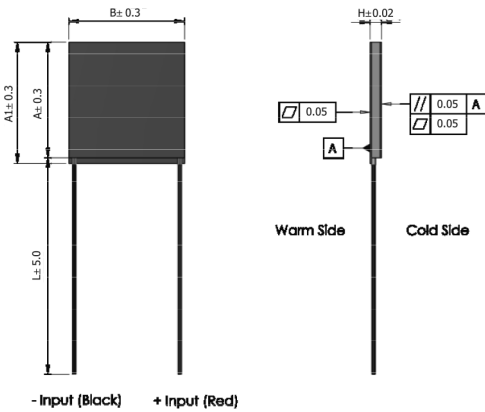
Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

multicomp PRO

Thermoelectric Cooler Module **multicomp** PRO



Diagram



Part Number Table

| Description | Part Number |
|--|-----------------------|
| Thermoelectric Cooler Module, 30mm x 30mm x 3.9mm, 3Am | MP-APC-127-10-15-S-F4 |

Dimensions : Millimetres

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