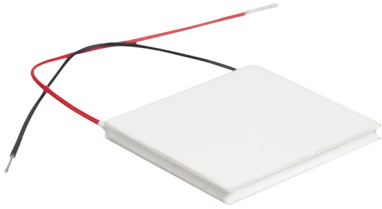


Thermoelectric Cooler Module **multicomp**PRO

RoHS
Compliant



Features

- Precise temperature control
- Solid-state reliability

Applications

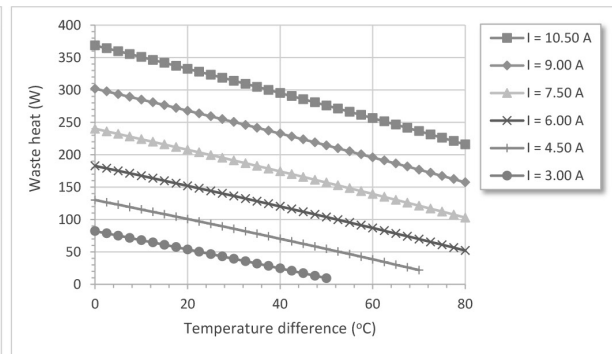
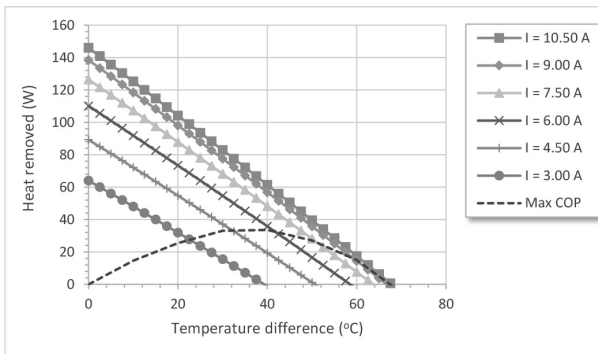
Automotive, Industrial, Telecommunications, Medical, Aerospace

Characteristics

Th	: 27°C
DeltaT	: 68°C
Vmax	: 24.1V
I _{max}	: 10.5A
Q _{cmax}	: 148W
AC Resistance	: 1.83 ± 10% Ω
Solder Melting Point	: 235°C
Compression Strength	: 1 MPa
A	: 40mm
Al	: 40mm
B	: 40mm
H	: 3.3mm
L	: 100mm
Flatness/Parallelism	: 0.05 / 0.05mm

- (At hot side temperature Th = 25°C / 298K, under dry N₂)
- Pc max = Cooling power at ΔT = 0 and I = I_{max}
- ΔT_{max} = Temperature difference at I = I_{max} and Pc = 0
- Max hot side temperature Th = 90°C for best long term performance
- Wires: UL rated wire to 105°C / AWG 22

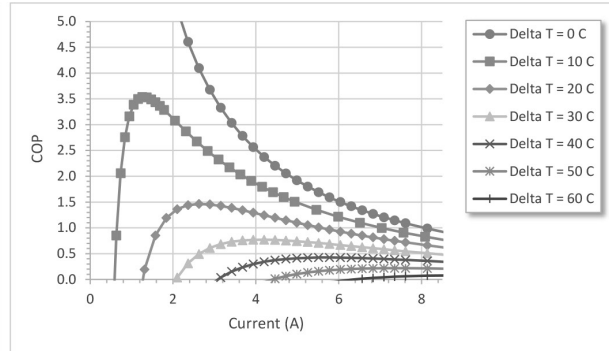
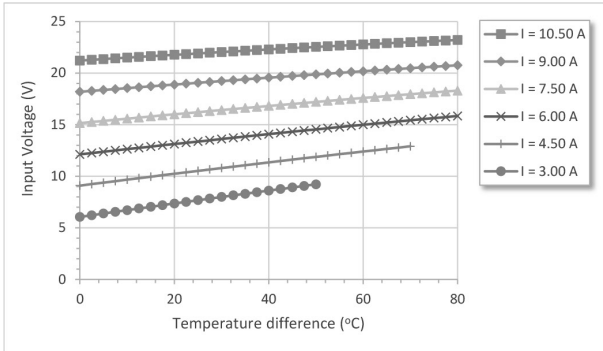
Hot side temperature 27°C



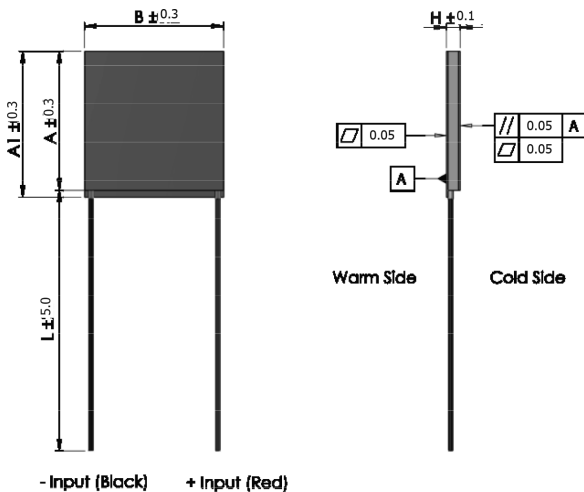
Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

multicompPRO

Thermoelectric Cooler Module **multicomp** PRO



Diagram



Part Number Table

Description	Part Number
Thermoelectric Cooler Module, 40mm x 40mm x 3.3mm, 10.5A	MP-APC-199-14-09-S-F4

Dimensions : Millimetres

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