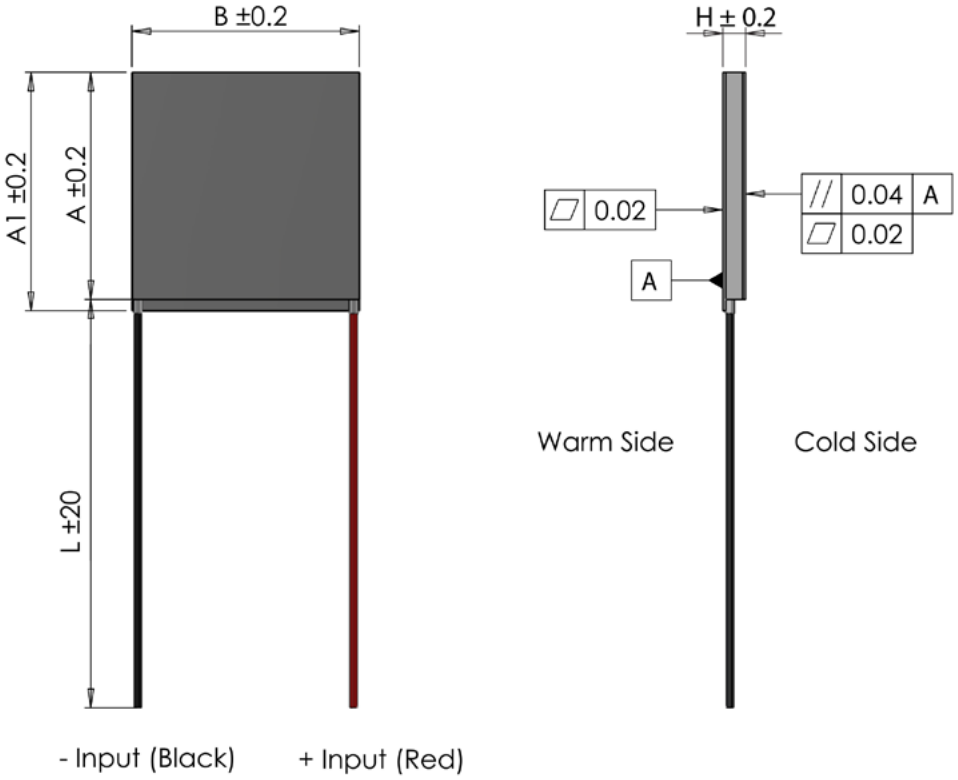
AP2-296-1420-0611-E

Double Stage Peltier Cooler Module

Data sheet



Features and benefits

- Sealed with epoxy resin, suitable for humid conditions
- Higher heat pumping capacity than single stage modules
- Localised spot cooling and precision temperature control
- Solid state reliability
- Suitable for lower temperature applications
- Suitable for operation in any orientation including in zero gravity applications

Imax	[A]	9
Vmax	[Vdc]	24
Pc max	[W]	84
ΔTmax	[°C]	81
A	[mm]	40
A1	[mm]	40
B	[mm]	40
H	[mm]	6.4

- (At hot side temperature Th = 25°C / 298K, under dry N_2)
- Pc max = Cooling power at ΔT = 0 and I = Imax
- ΔTmax = Temperature difference at I = Imax and Pc = 0
- Max hot side temperature Th = 80°C for best long term performance
- Max mounting pressure: 1.5MPa
- Wires: UL-style 1569, 105°C (Unstripped)

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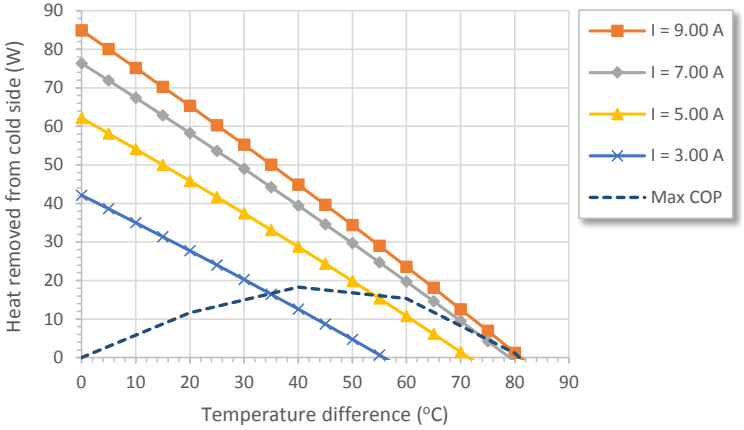
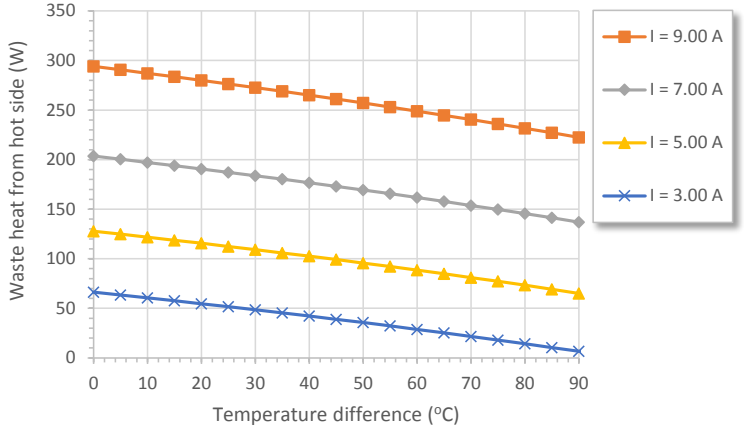
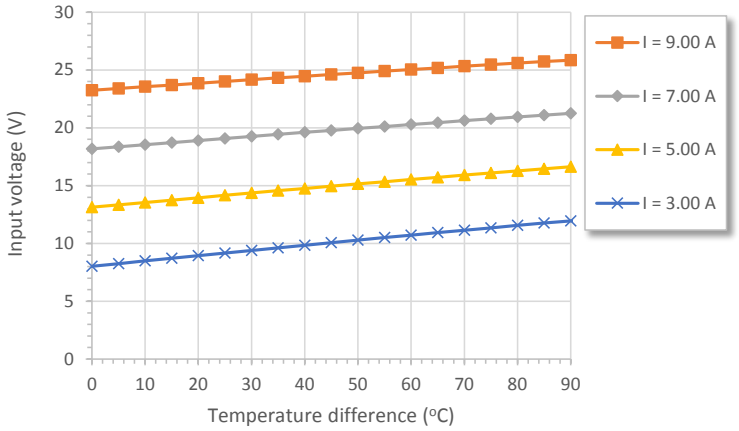
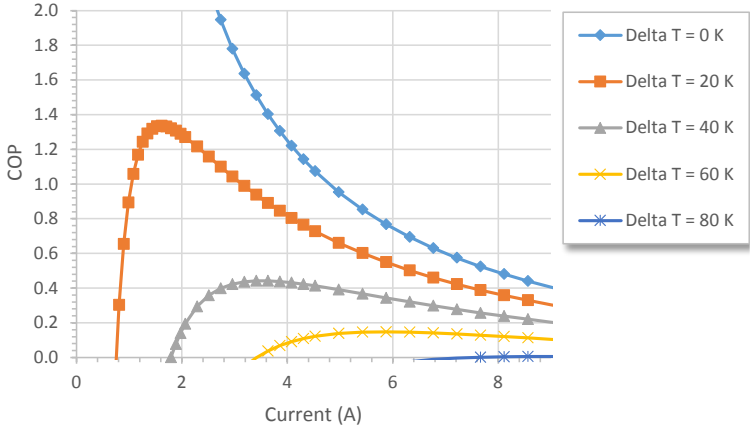
Data sheet - At hot side temperature 30°C



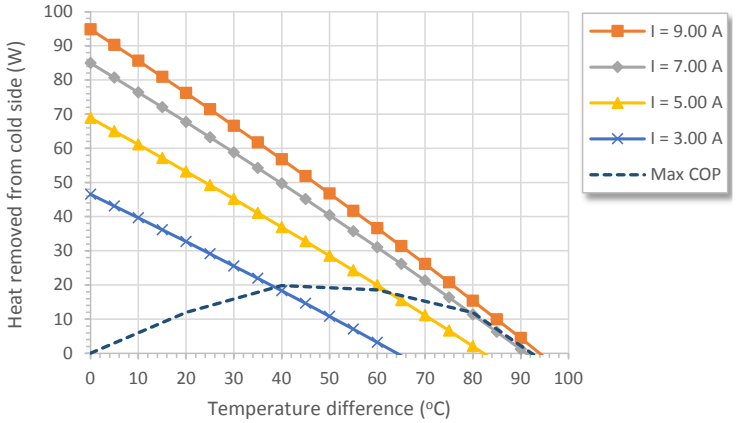


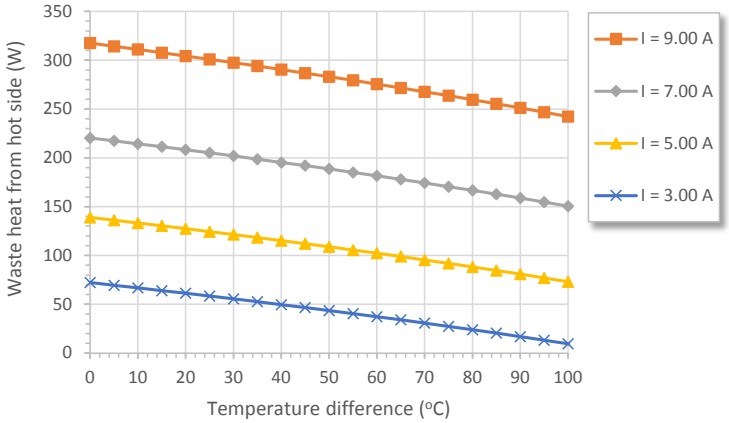


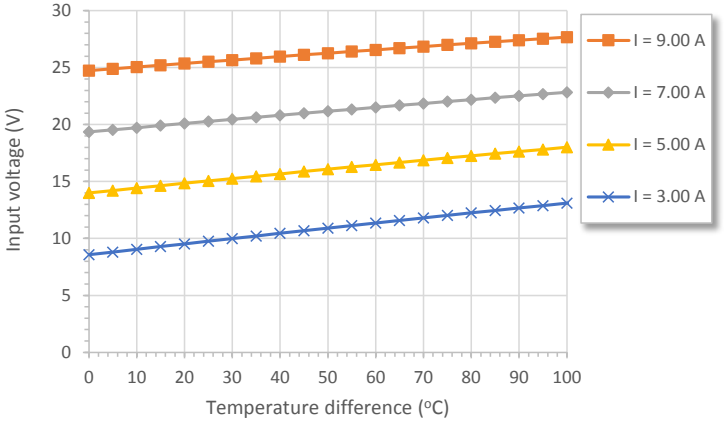


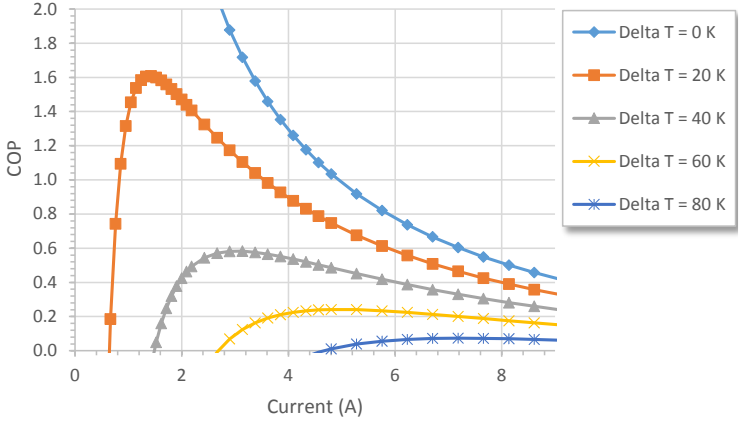
*Note - Waste heat = Heat out of hot side

Data sheet - At hot side temperature 50°C



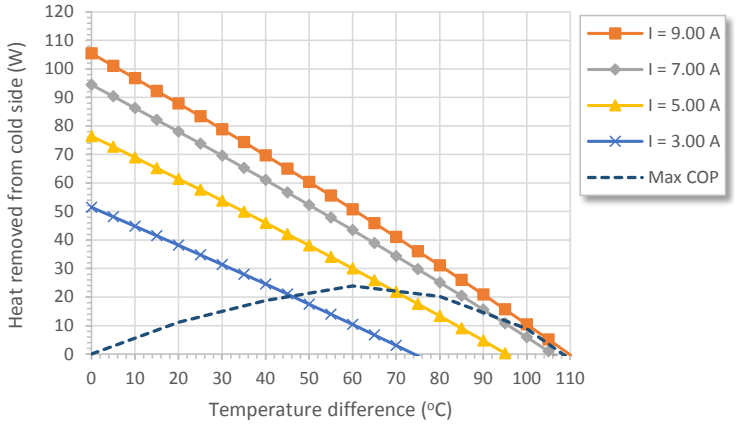


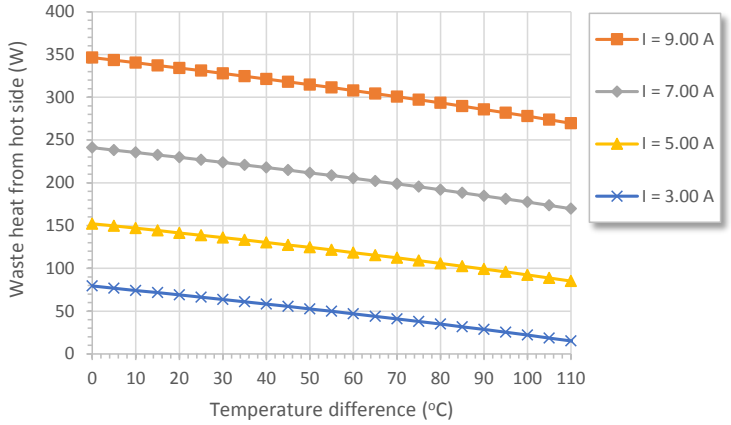


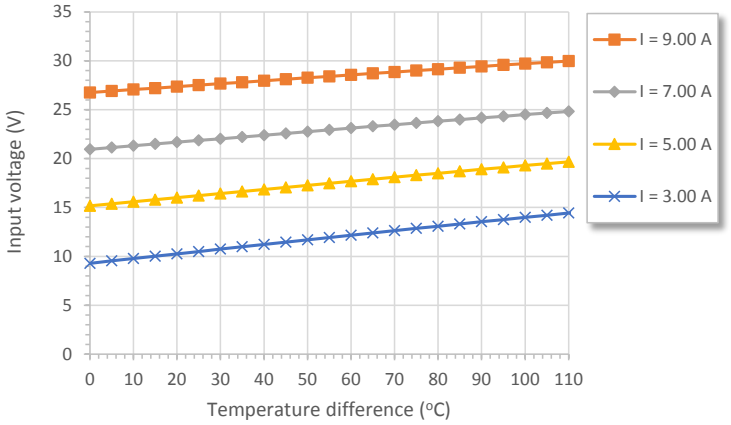


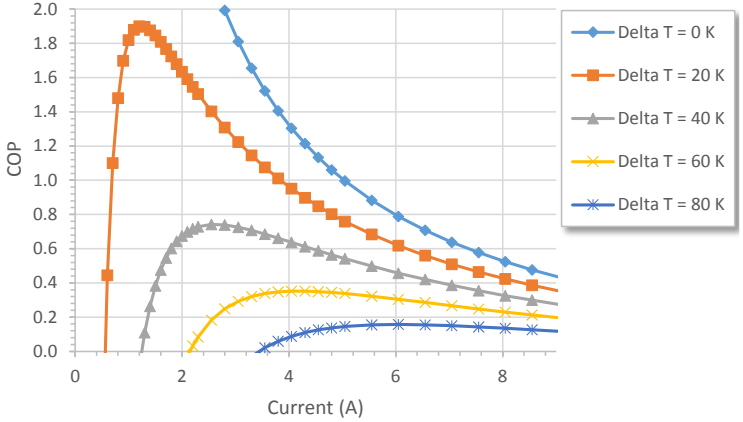
*Note - Waste heat = Heat out of hot side

Data sheet - At hot side temperature 75°C









*Note - Waste heat = Heat out of hot side