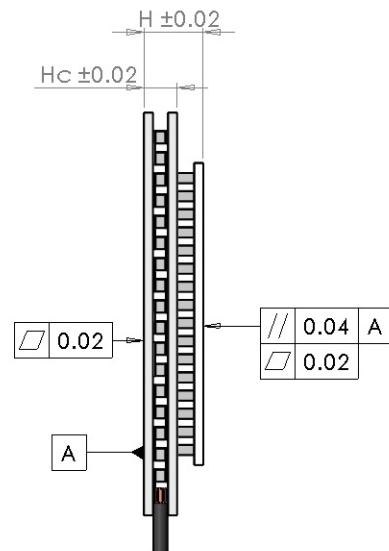
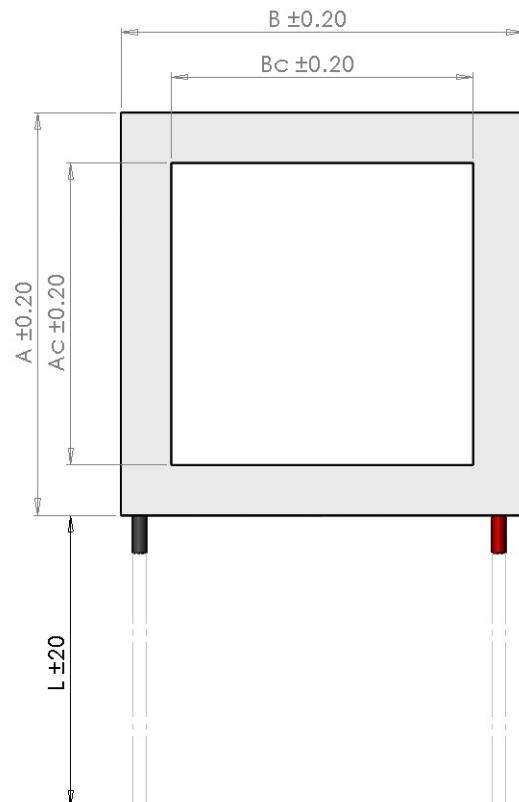


Double Stage Peltier Cooler Module

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

I _{max}	[A]	7.4
V _{max}	[Vdc]	15
P _c max	[W]	47
ΔT _{max}	[°C]	86
A	[mm]	40
A _c	[mm]	40
B	[mm]	40
B _c	[mm]	40
H	[mm]	6.8

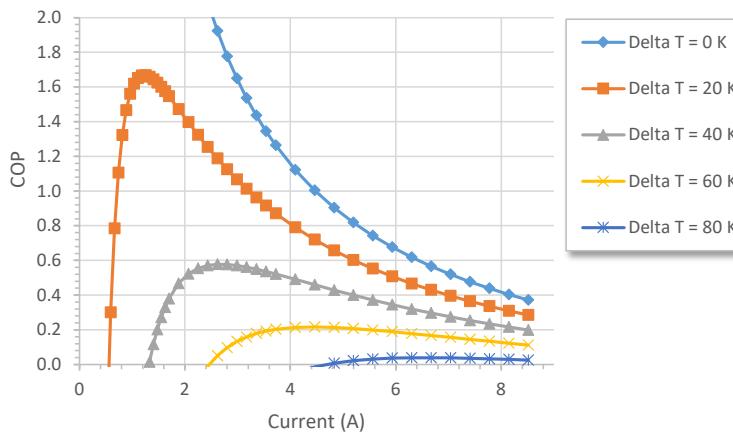
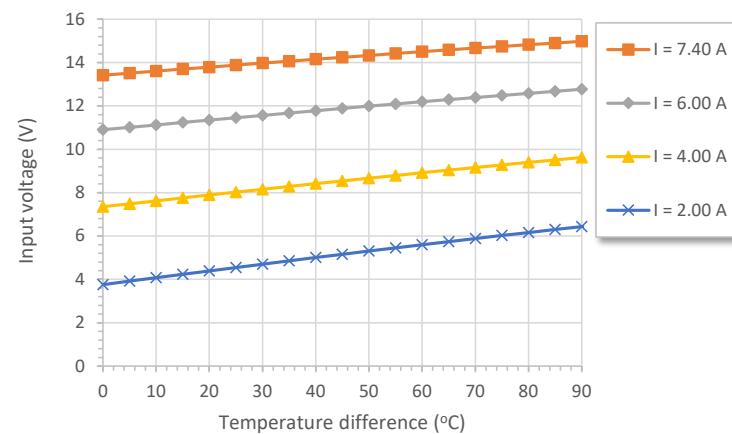
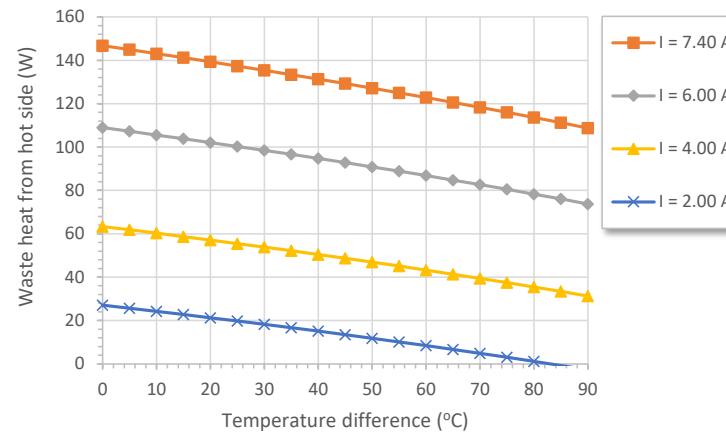
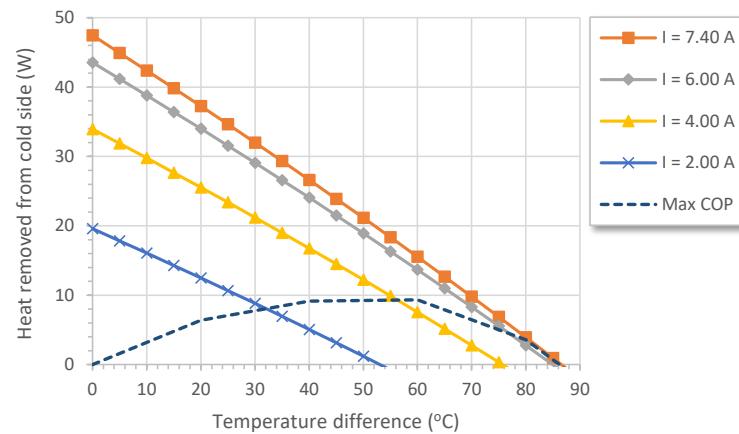
- (At hot side temperature Th = 25°C / 298K, under dry N₂)
- P_c max = Cooling power at ΔT = 0 and I = I_{max}
- ΔT_{max} = Temperature difference at I = I_{max} and P_c = 0
- Max hot side temperature Th = 80°C for best long term performance
- Max mounting pressure: 1.5MPa
- Wires: 150mm (Unstripped)



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Double Stage Peltier Cooler Module

Data sheet - At hot side temperature 30°C



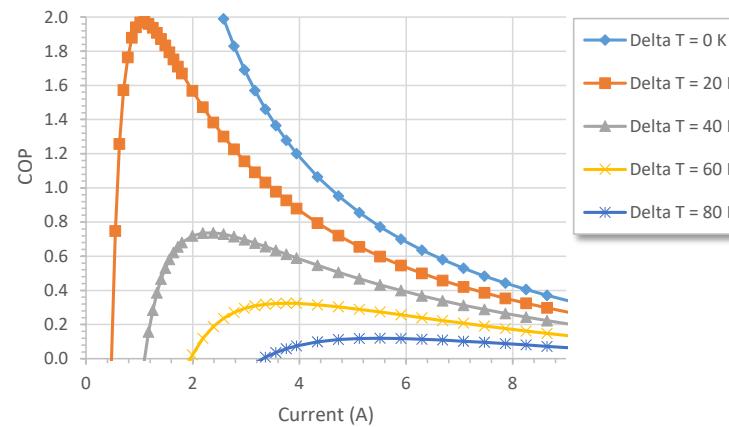
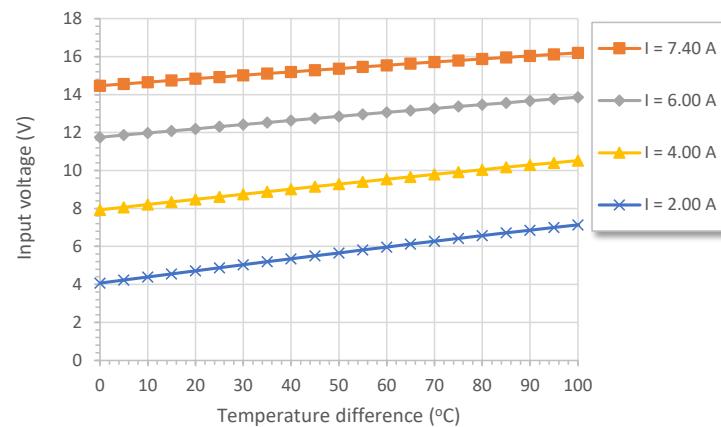
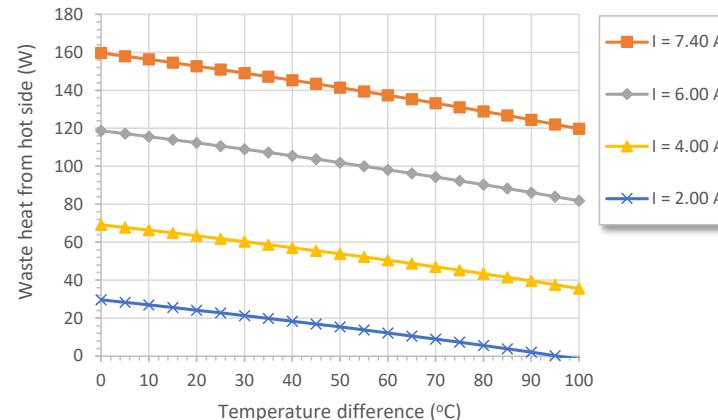
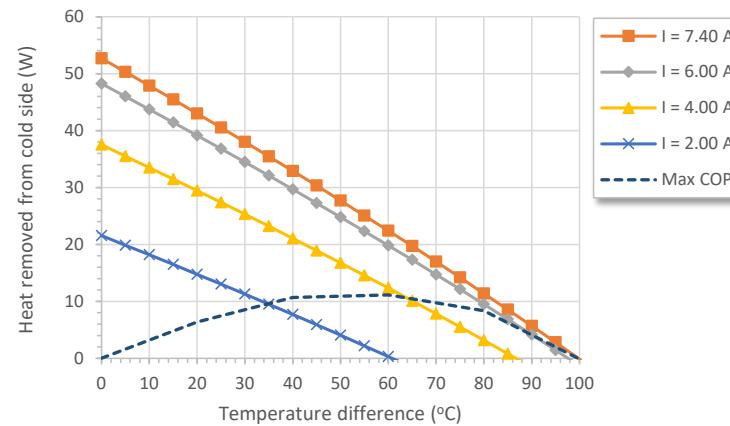
*Note - Waste heat = Heat out of hot side



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Double Stage Peltier Cooler Module

Data sheet - At hot side temperature 50°C

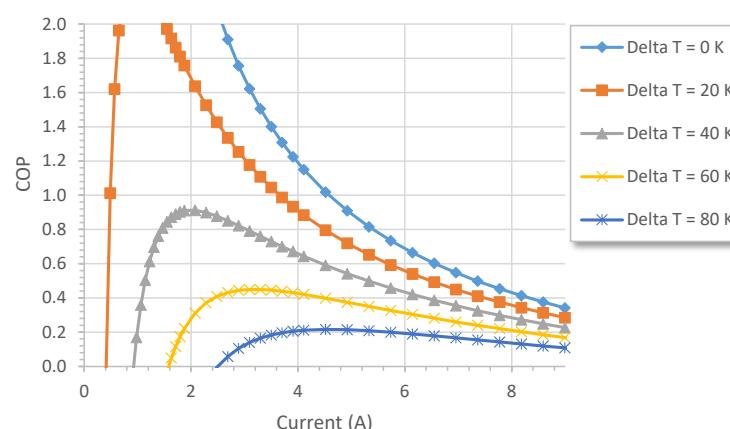
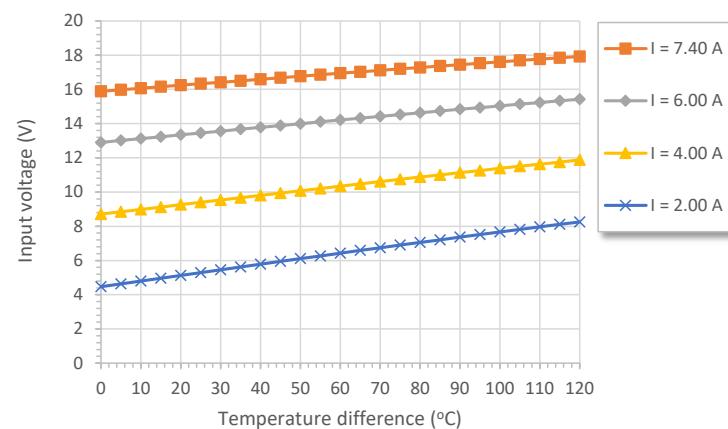
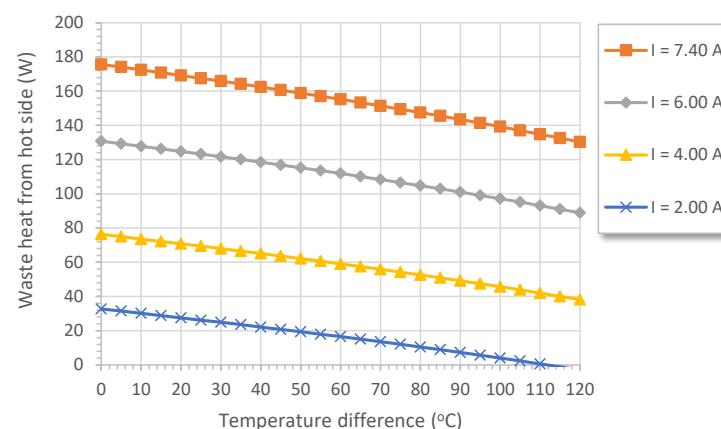
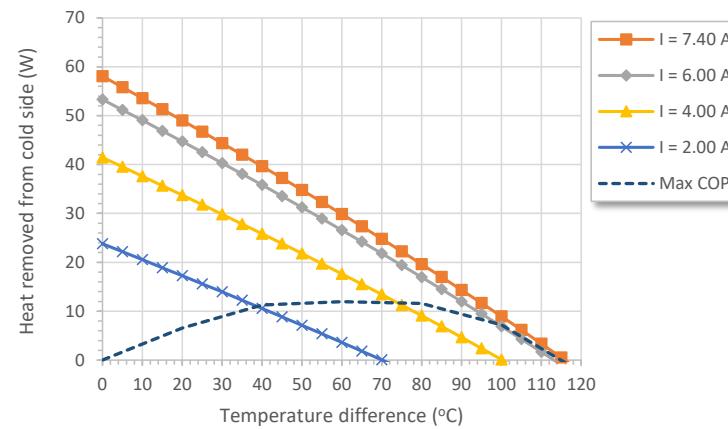


*Note - Waste heat = Heat out of hot side



Double Stage Peltier Cooler Module

Data sheet - At hot side temperature 75°C



*Note - Waste heat = Heat out of hot side

