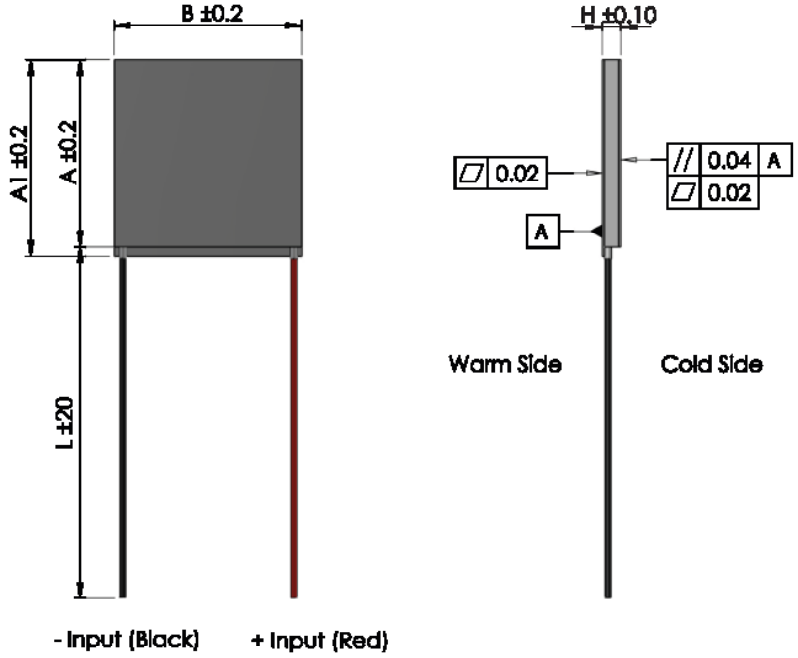
APHC-161-12-08-S

Peltier Cooler Module



Data Sheet

Imax	[A]	8.4
Vmax	[Vdc]	20.1
Pc max	[W]	90
ACR	[Ω]	1.83
ΔTmax	[°C]	66
A	[mm]	40
A1	[mm]	40
B	[mm]	40
H	[mm]	3.3

- (At hot side temperature Th = 27°C / 300K, 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 = 200°C for best long term performance
- Max mounting pressure: 1.5MPa
- Wires: UL-style 1569, 105oC (Unstripped)

Features

- RoHs and Reach 161 compliant
- Solid-state reliability
- Built with high temperature solder with the ability to withstand <200°C assembly processing temperatures for short periods of time
- High integrity nickel diffusion barriers on elements
- High strength for rugged environments
- Porched style for enhanced leadwire strength
- Sealed & lapped for multi-module applications

Adaptive® Thermal Management

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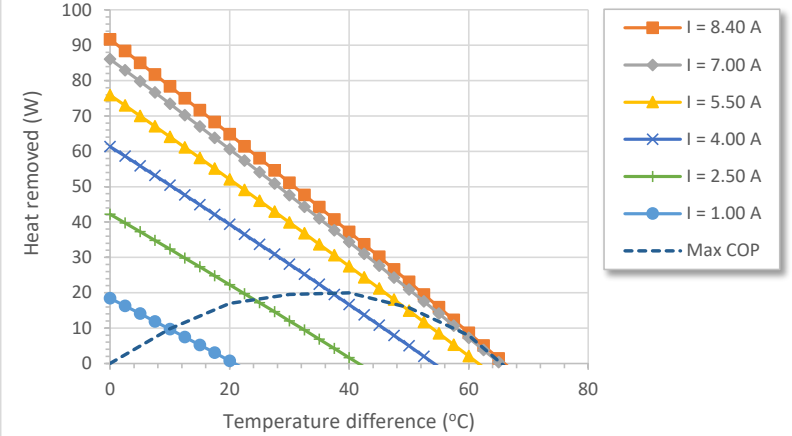
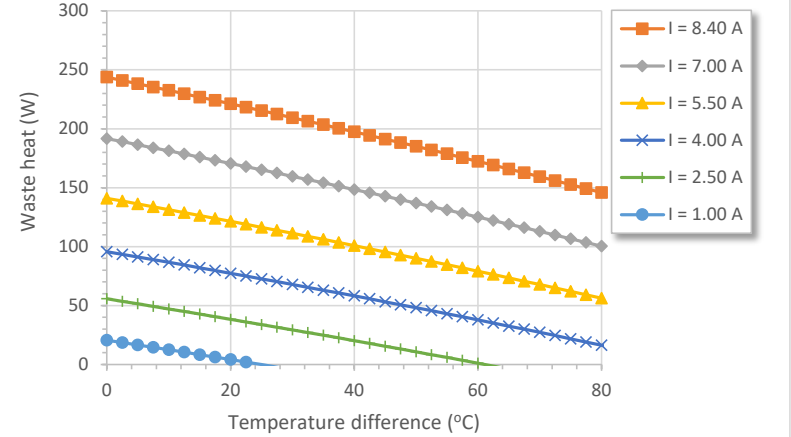
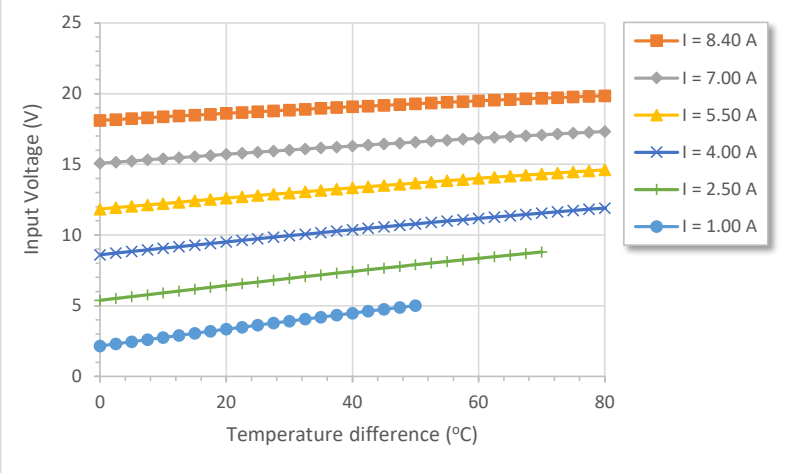
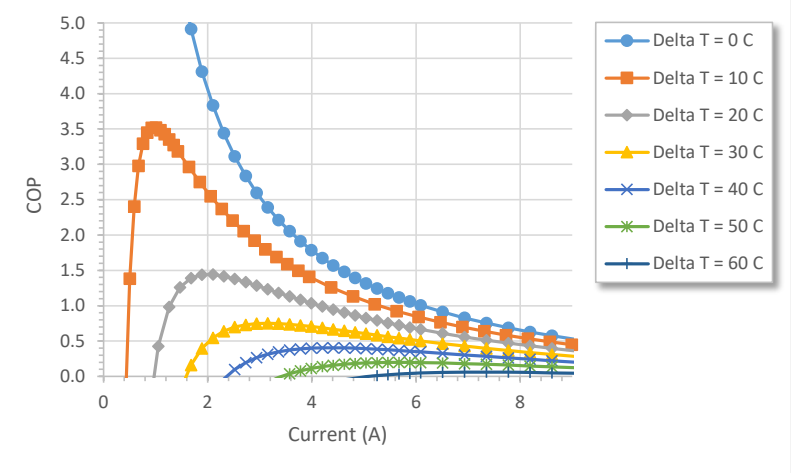
Data Sheet - At hot side temperature 25°C

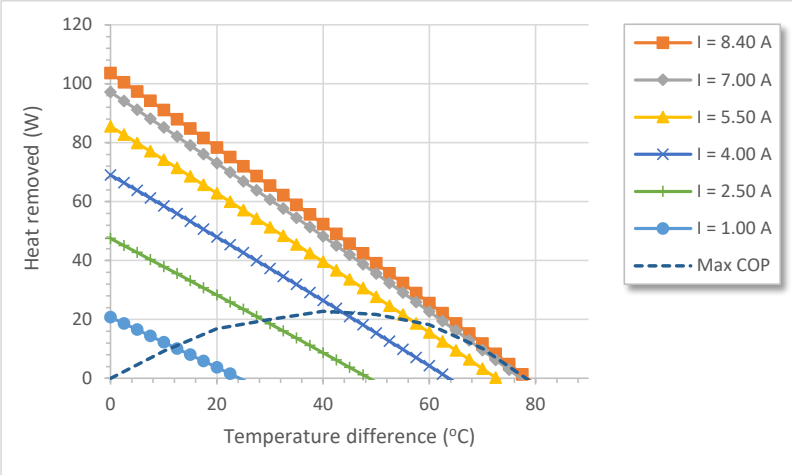


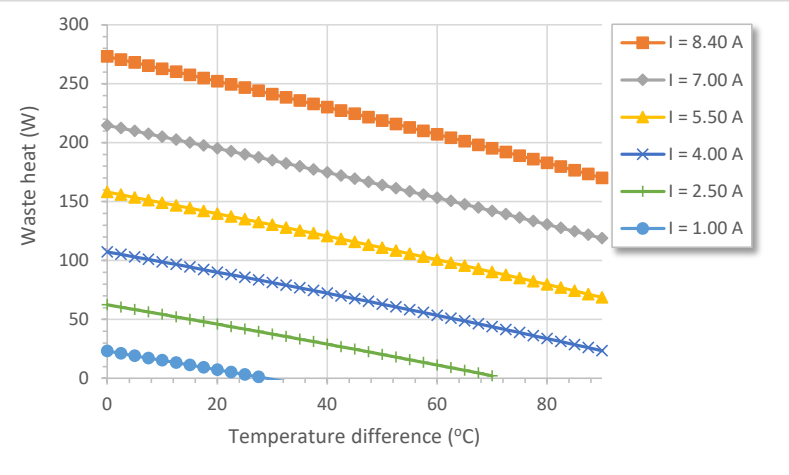


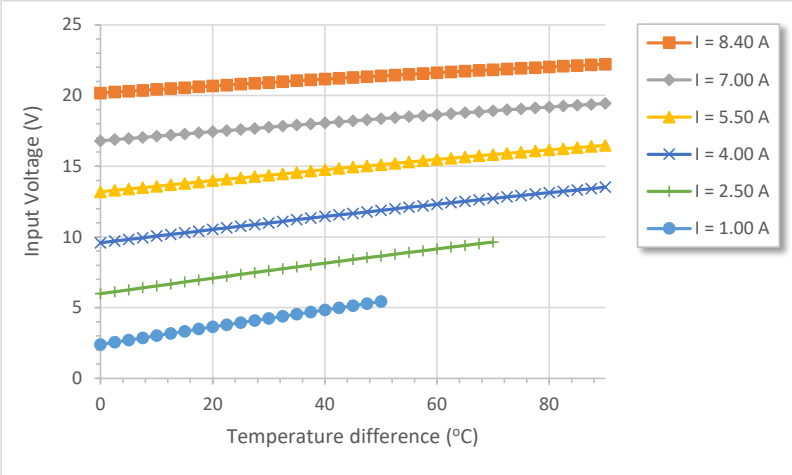


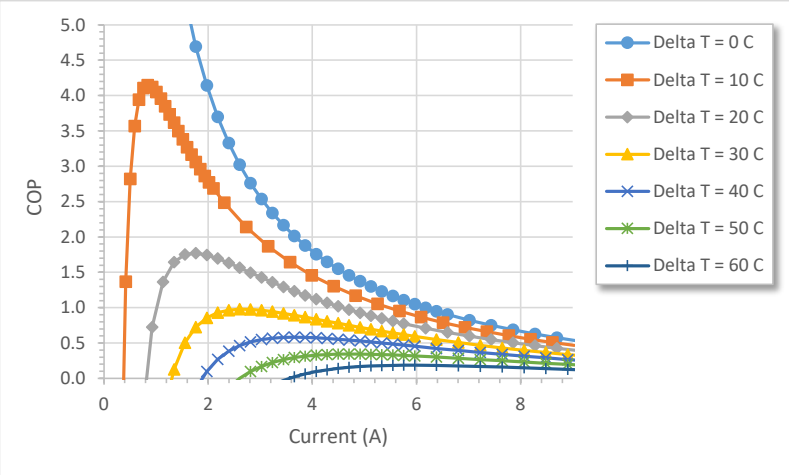


Data Sheet - At hot side temperature 50°C









Data Sheet - At hot side temperature 75°C

