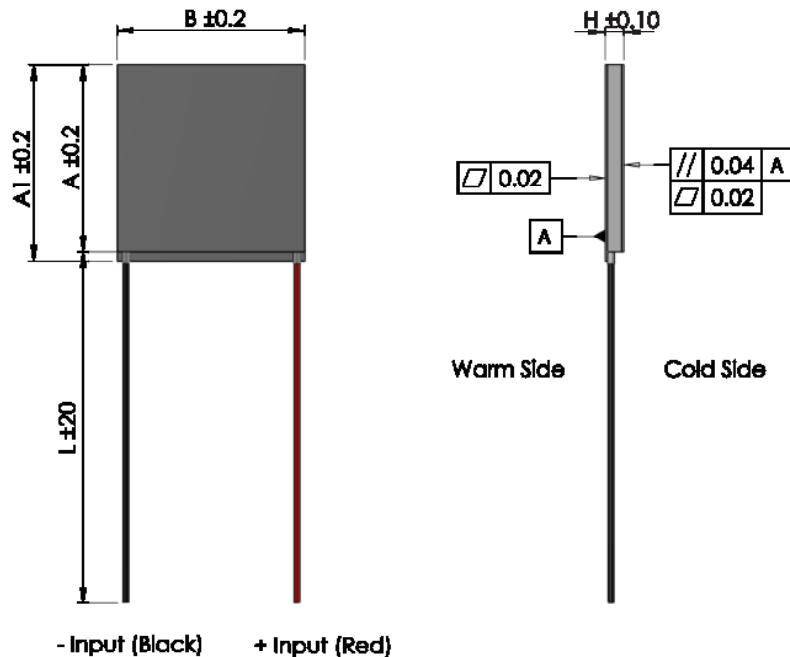


APHC-161-12-08-S

Peltier Cooler Module

Data Sheet



I_{max}	[A]	8.4
V_{max}	[Vdc]	20.1
$P_c \max$	[W]	90
ACR	[Ω]	1.83
ΔT_{max}	[$^{\circ}C$]	66
A	[mm]	40
A1	[mm]	40
B	[mm]	40
H	[mm]	3.3

- (At hot side temperature $T_h = 27^{\circ}C / 300K$, under dry N_2)
- $P_c \max$ = Cooling power at $\Delta T = 0$ and $I = I_{max}$
- ΔT_{max} = Temperature difference at $I = I_{max}$ and $P_c = 0$
- Max hot side temperature $T_h = 200^{\circ}C$ for best long term performance
- Max mounting pressure: 1.5MPa
- Wires: UL-style 1569, 105oC (Unstripped)

Features

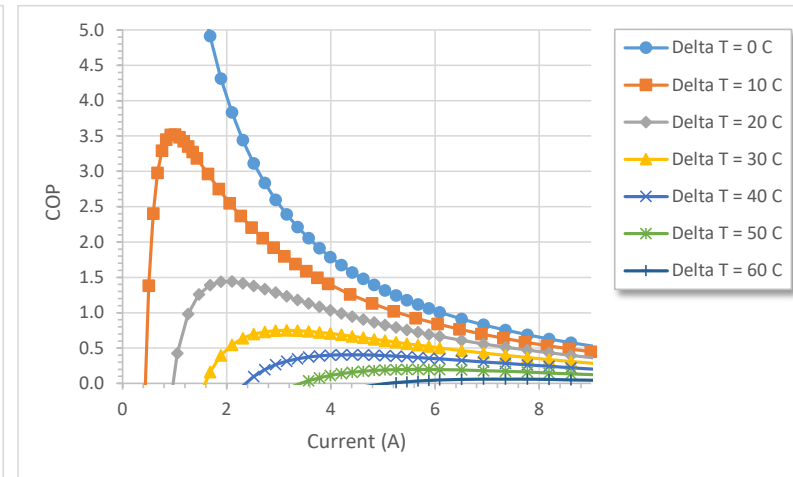
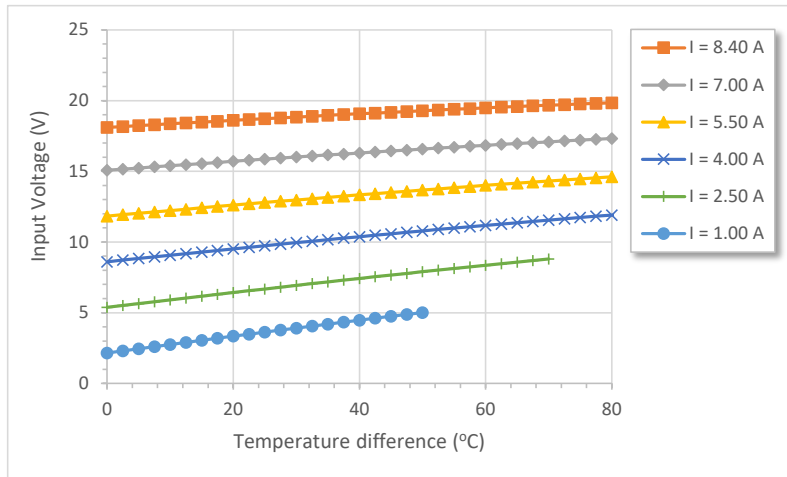
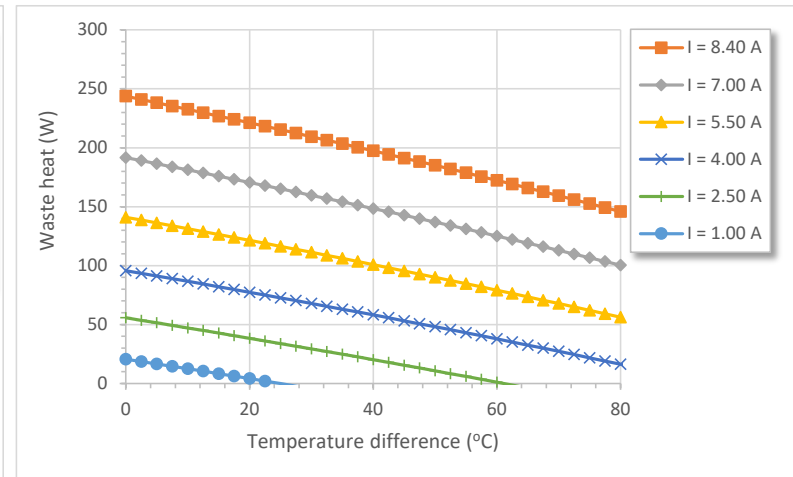
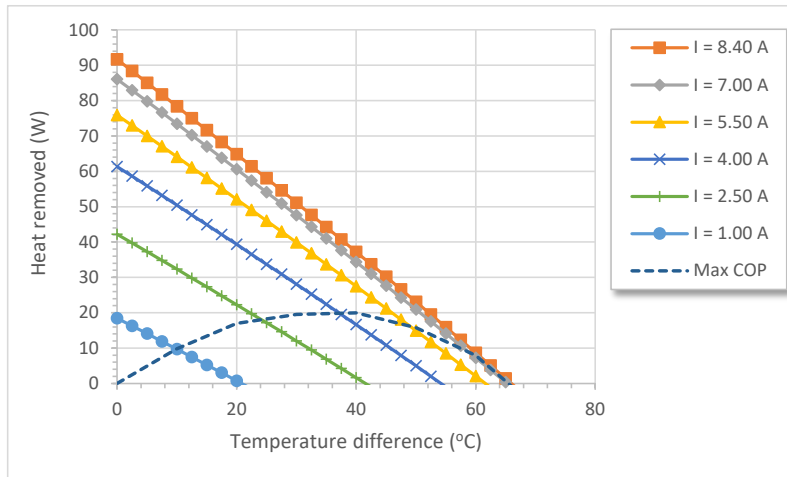
- RoHs and Reach 161 compliant
- Solid-state reliability
- Built with high temperature solder with the ability to withstand $<200^{\circ}C$ assembly processing temperatures for short periods of time
- High integrity nickel diffusion barriers on elements
- High strength for rugged environments
- Porched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



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Peltier Cooler Module

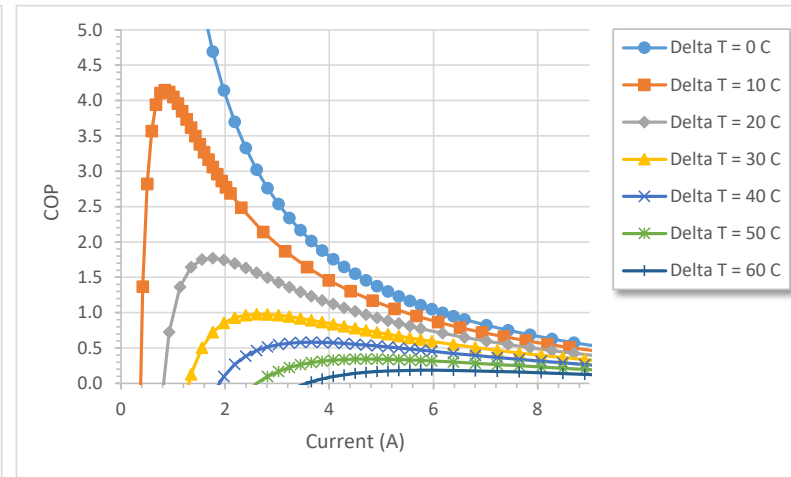
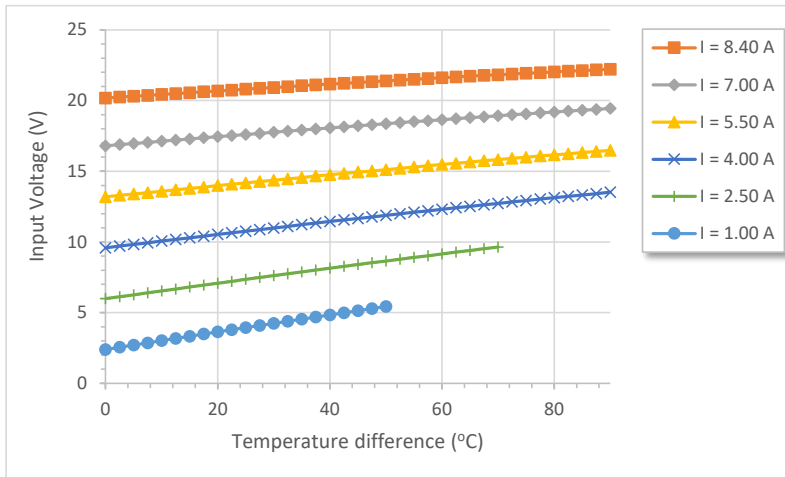
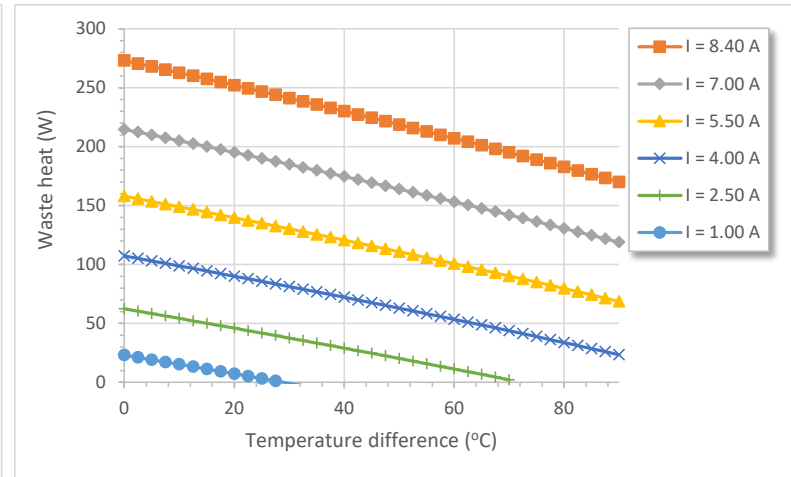
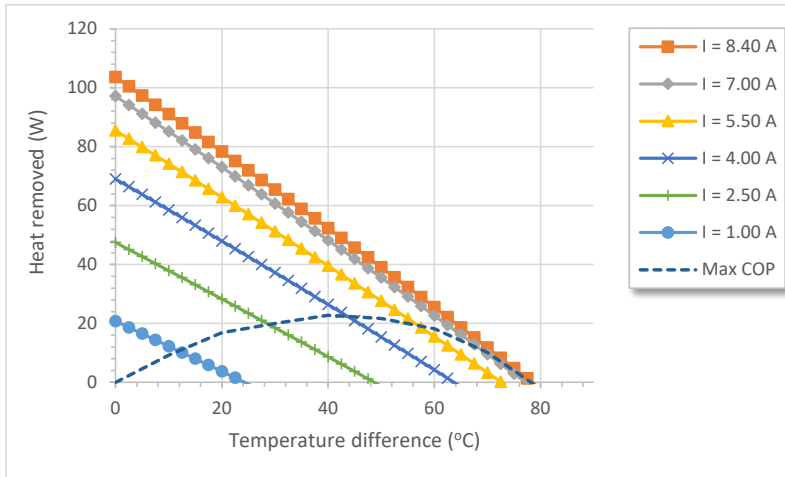
Data Sheet - At hot side temperature 25°C



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Peltier Cooler Module

Data Sheet - At hot side temperature 50°C



APHC-161-12-08-S

Peltier Cooler Module

Data Sheet - At hot side temperature 75°C

