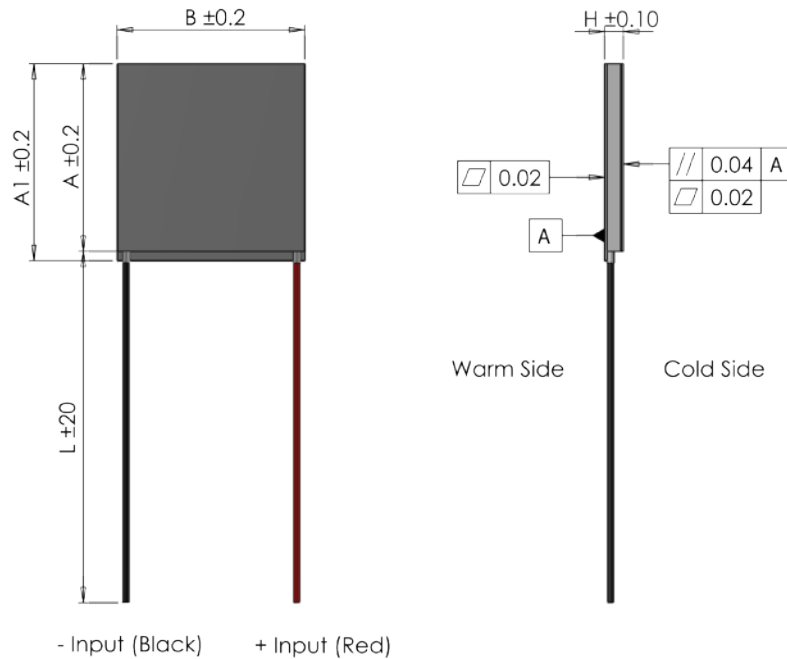


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Peltier Cooler Module - High Temperature Cycling

Data Sheet



| | | |
|---------------------|------------------------|------|
| I_{max} | [A] | 4.53 |
| V_{max} | [Vdc] | 20.1 |
| $P_c \text{ max}$ | [W] | 55 |
| ACR | [Ω] | 3.4 |
| ΔT_{max} | [$^{\circ}\text{C}$] | 69 |
| Max. hot side temp. | [$^{\circ}\text{C}$] | 180 |
| A | [mm] | 40 |
| A1 | [mm] | 40 |
| B | [mm] | 40 |
| H | [mm] | 3.6 |

- (At hot side temperature $T_h = 27^{\circ}\text{C} / 300\text{K}$, under dry N_2)
- $P_c \text{ max}$ = Cooling power at $\Delta T = 0$ and $I = I_{max}$
- ΔT_{max} = Temperature difference at $I = I_{max}$ and $P_c = 0$
- Max mounting pressure: 1.5MPa
- AF250 Teflon wire, 600V, -80 to +250degC

Features

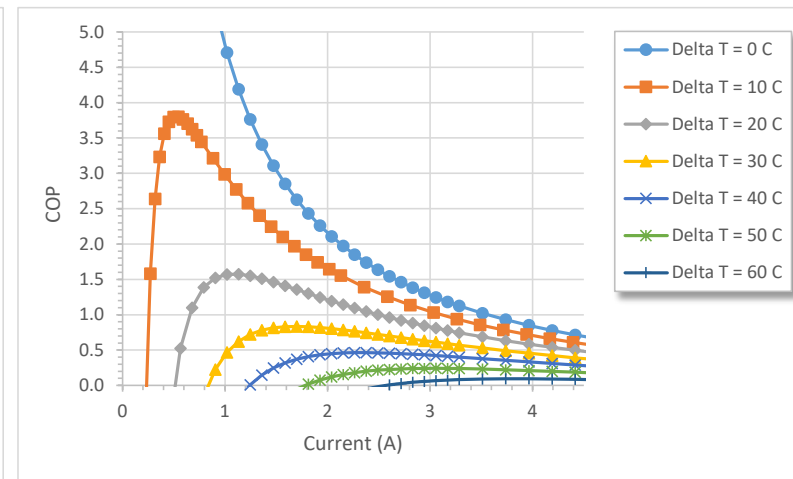
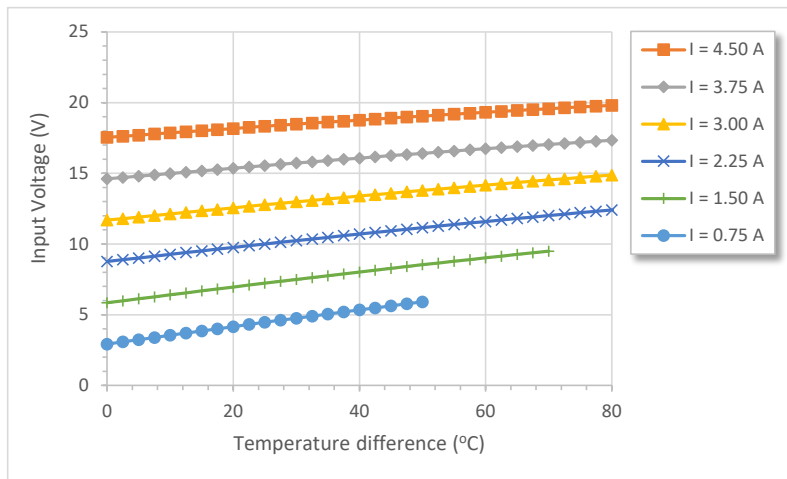
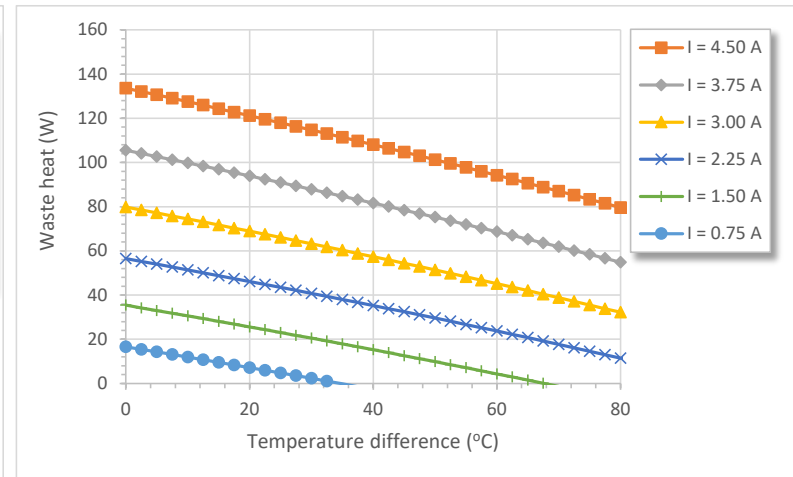
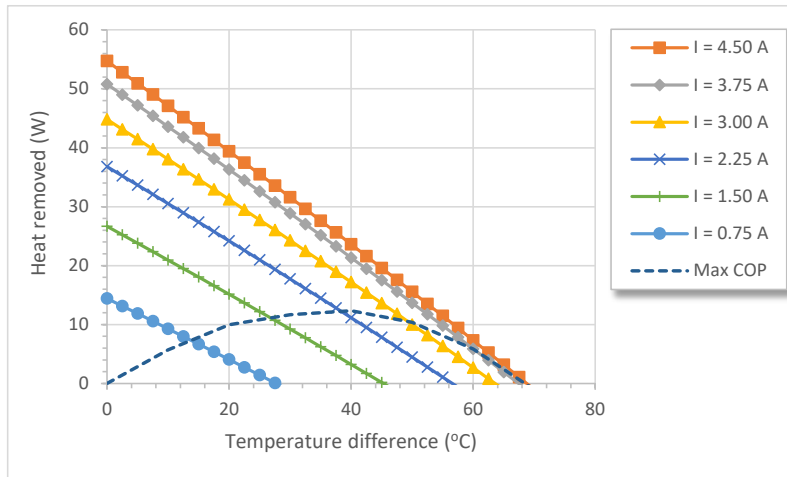
- RoHs and Reach 161 compliant
- Solid-state reliability
- High integrity nickel diffusion barriers on elements
- High strength for rugged environments
- Porched style for enhanced leadwire strength
- Sealed & lapped for multi-module applications



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Peltier Cooler Module - High Temperature Cycling

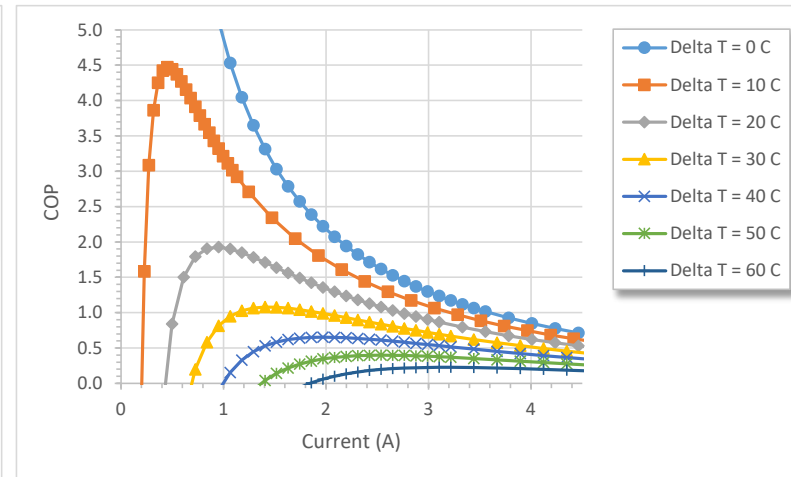
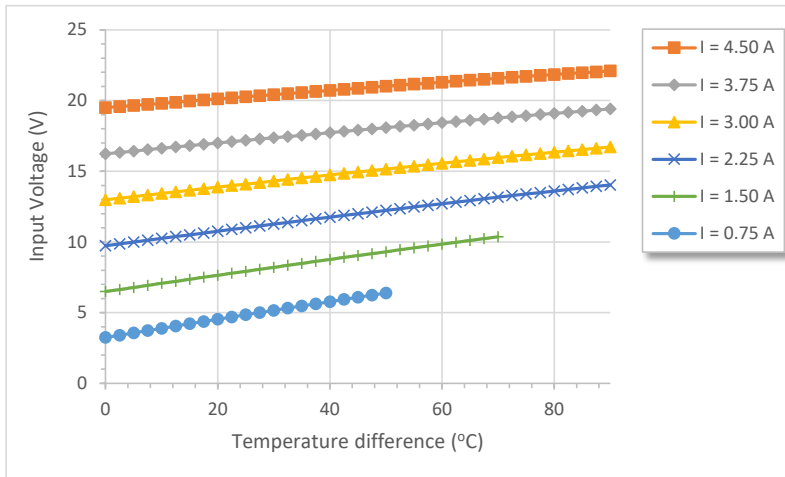
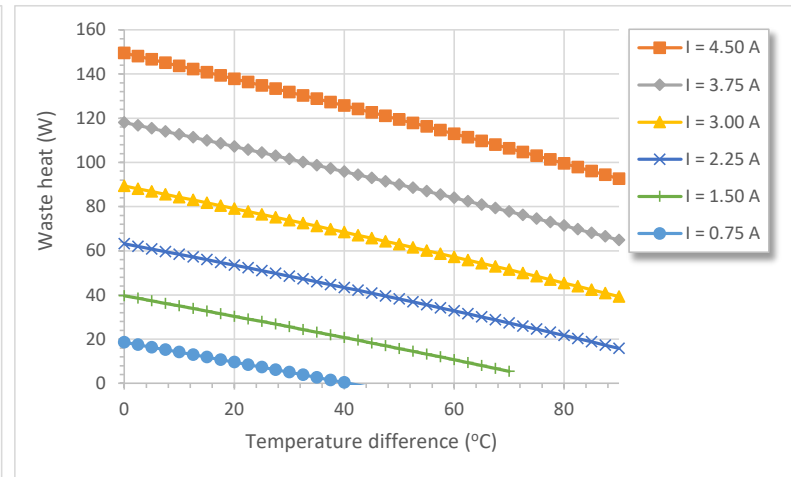
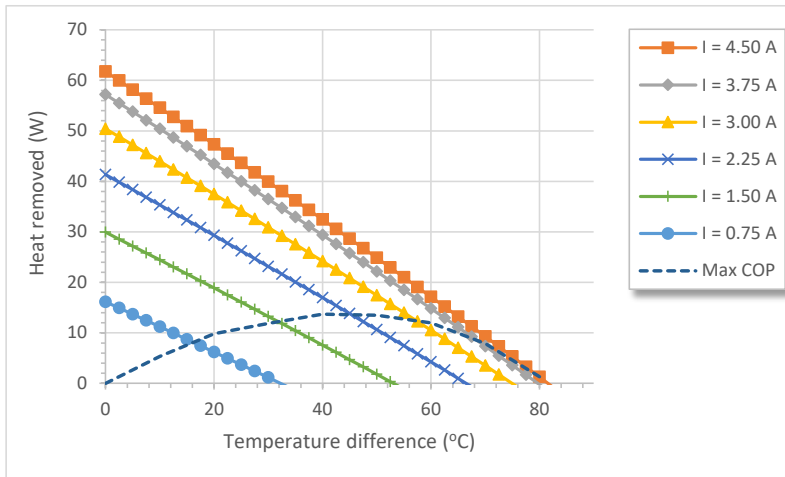
Data Sheet - At hot side temperature 25°C



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Peltier Cooler Module - High Temperature Cycling

Data Sheet - At hot side temperature 50°C



APHC-161-12-15-S

Peltier Cooler Module - High Temperature Cycling

Data Sheet - At hot side temperature 75°C

