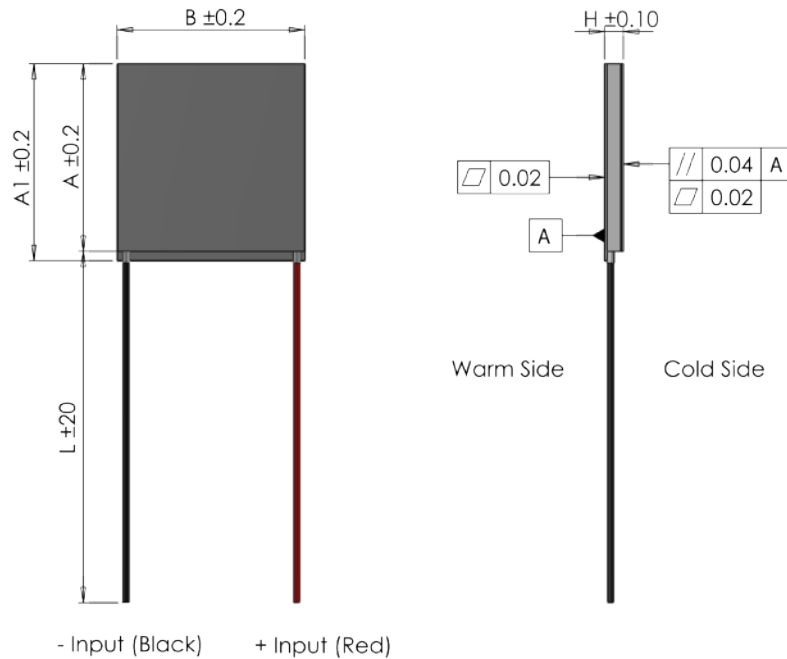


APHC-070-20-E

Peltier Cooler Module - High Temperature Cycling

Data Sheet



| | | |
|---------------------|-------|-----|
| I_{max} | [A] | 19 |
| V_{max} | [Vdc] | 7.7 |
| $P_c \text{ max}$ | [W] | 95 |
| ΔT_{max} | [°C] | 58 |
| Max. hot side temp. | [°C] | 180 |
| A | [mm] | 50 |
| A1 | [mm] | 54 |
| B | [mm] | 36 |
| H | [mm] | 3.1 |

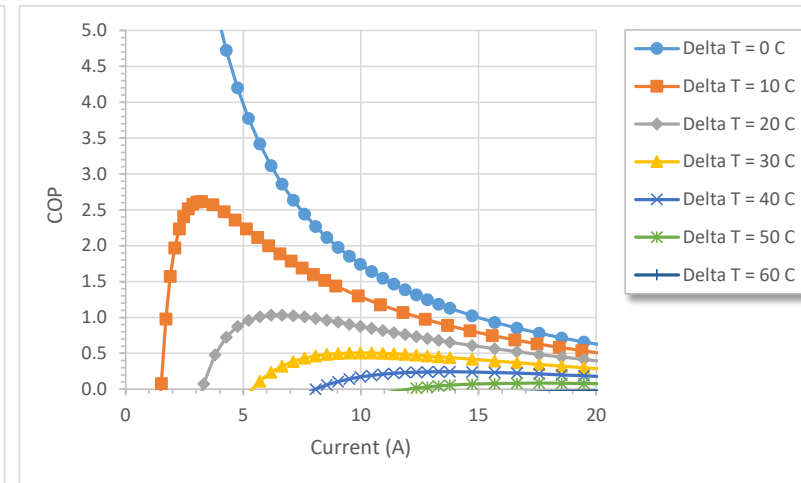
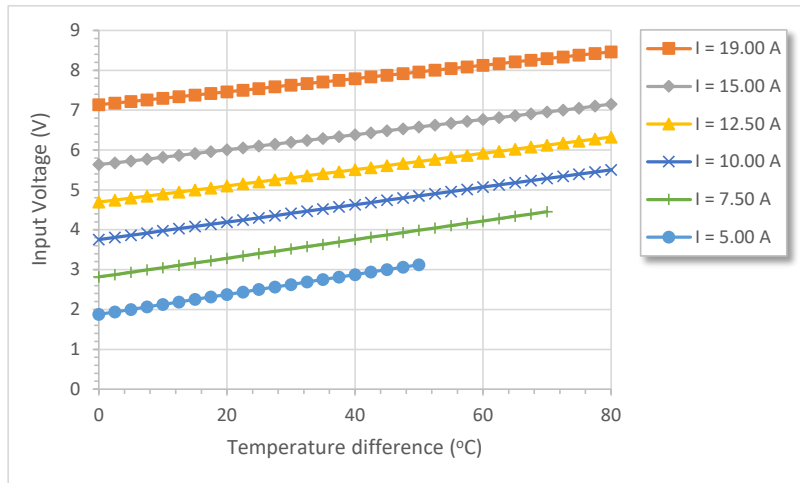
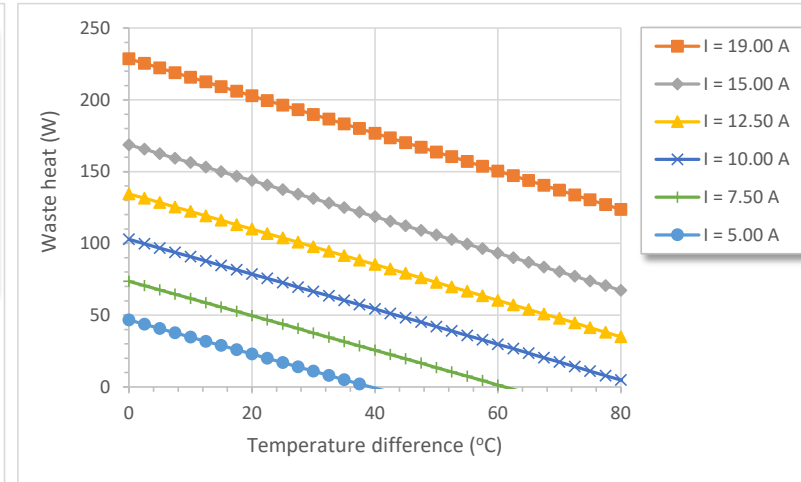
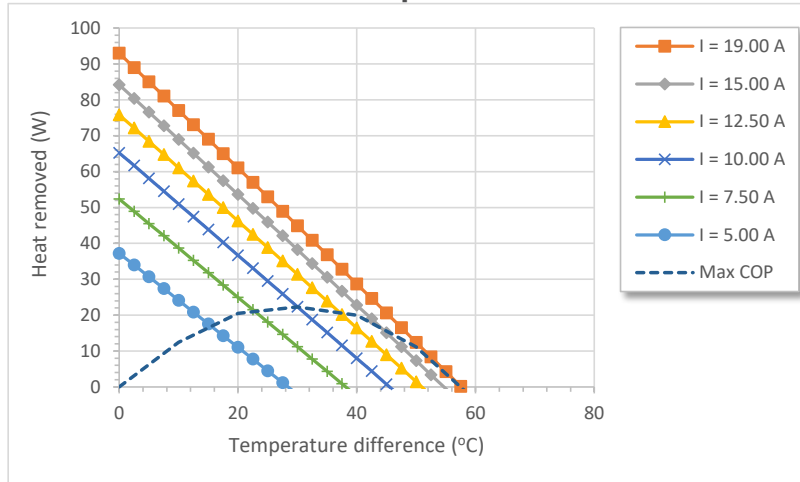
- (At hot side temperature $T_h = 27^\circ\text{C} / 300\text{K}$, under dry N_2)
- $P_c \text{ max}$ = Cooling power at $\Delta T = 0$ and $I = I_{max}$
- ΔT_{max} = Temperature difference at $I = I_{max}$ and $P_c = 0$
- Max mounting pressure: 1.5MPa
- Wires: PFA, Teflon, 600V, +250°C(Unstripped)

Features

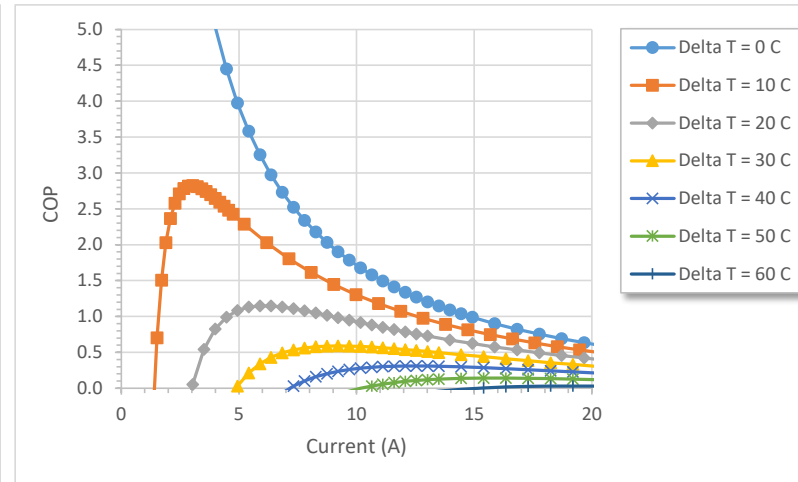
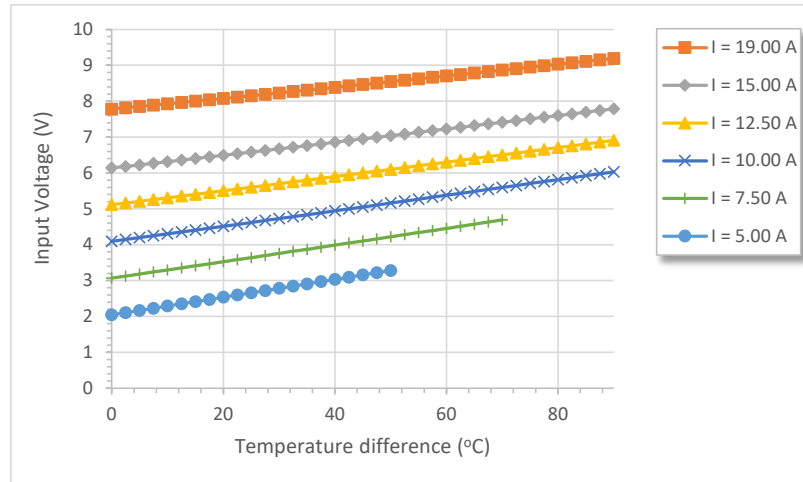
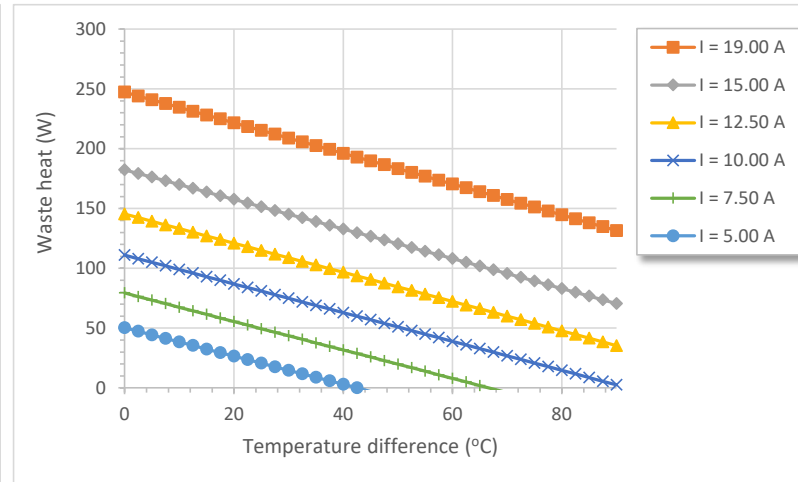
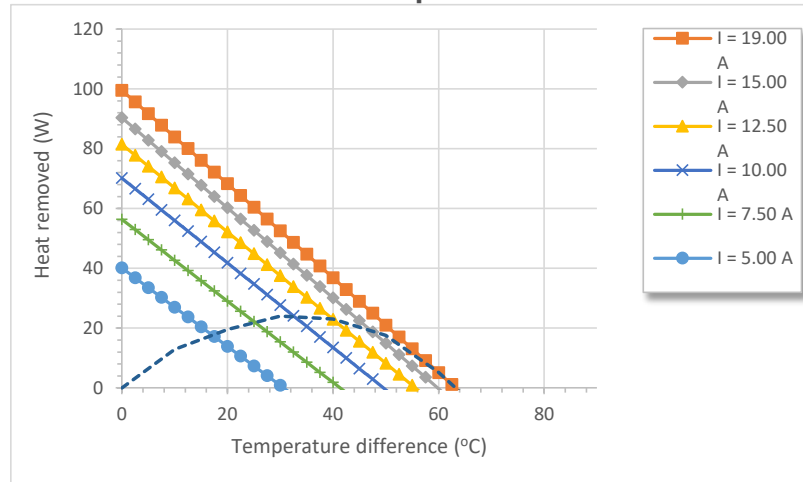
- Solid-state reliability
- Suitable for temperature cycling applications
- High integrity nickel diffusion barriers on elements
- High strength for rugged environments
- Porched style for enhanced leadwire strength
- Epoxy sealed



Data Sheet - At hot side temperature 25°C



Data Sheet - At hot side temperature 50°C



Data Sheet - At hot side temperature 75°C

