

Peltier Cooler

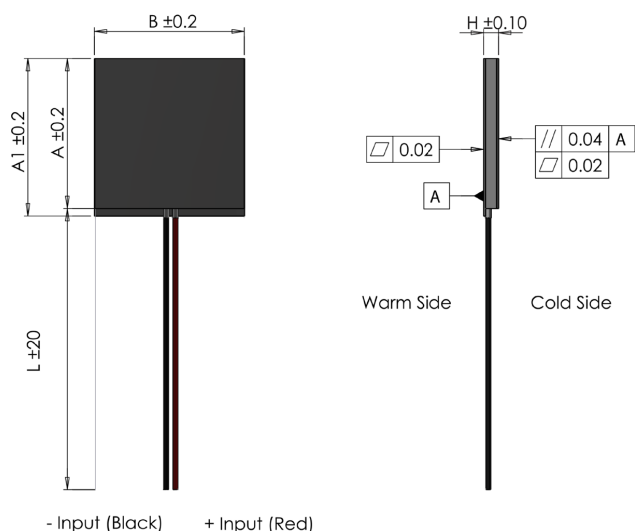
RoHS
Compliant



Features

- 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

Dimensions

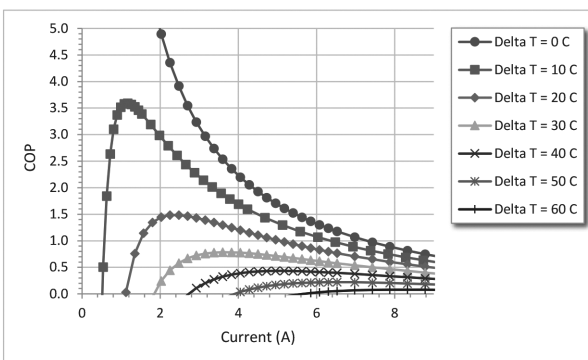
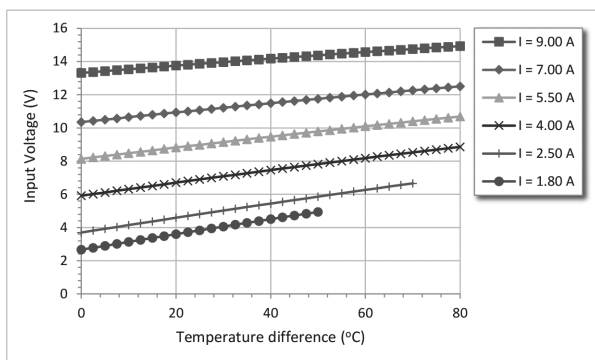
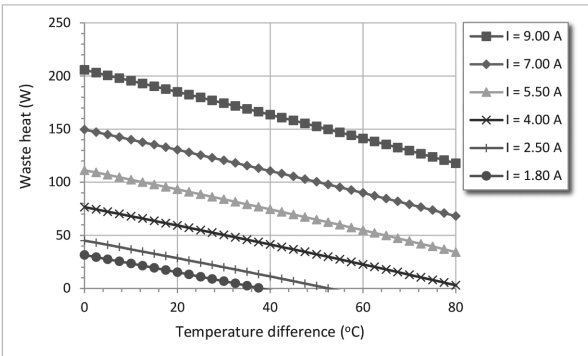
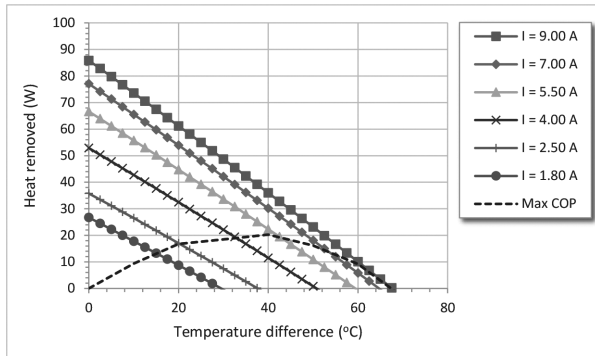


Parameters	Values
I_{max}	9A
V_{max}	15.8V DC
$P_c \max$	88W
ACR	1.4Ω
ΔT_{max}	68°C
A	30mm
A1	34mm
B	30mm
H	2.8mm
L	100mm

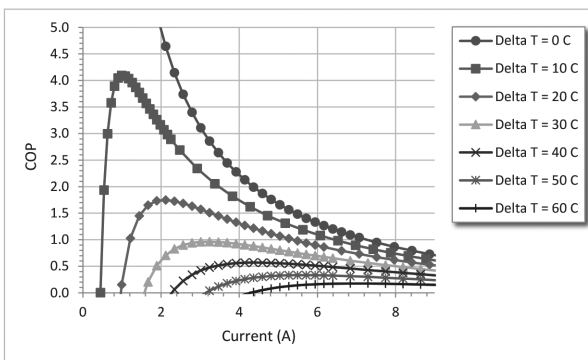
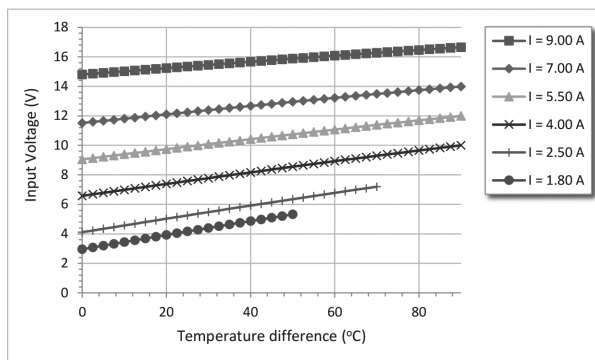
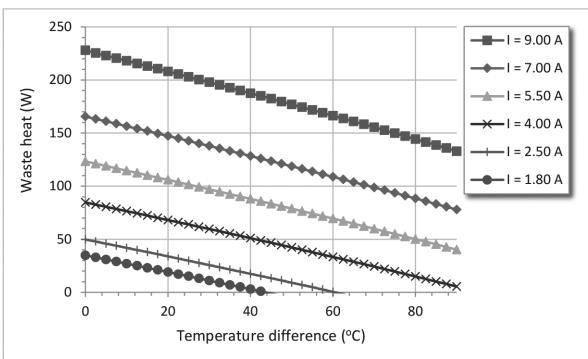
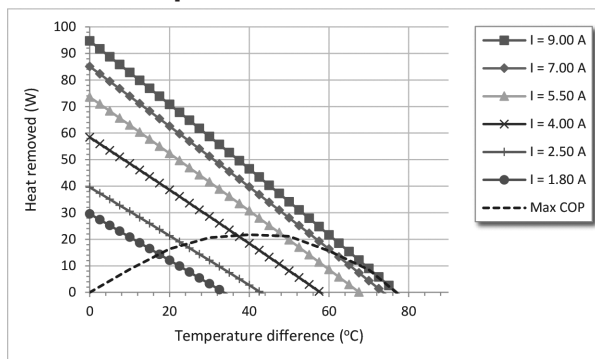
- (At hot side temperature $T_h = 25^\circ\text{C} / 298\text{K}$, under dry N_2)
- $P_c \max$ = Cooling power at $\Delta T = 0$ and $I = I_{max}$
- ΔT_{max} = Temperature difference at $I = I_{max}$ and $P_c = 0$
- Solder melting point 138°C
- Max. recommended mounting pressure: 1MPa

Peltier Cooler

At hot side temperature 25°C

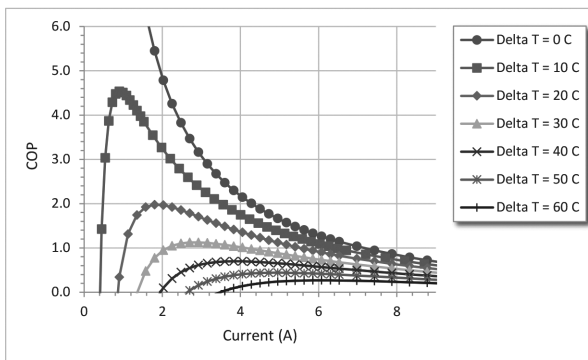
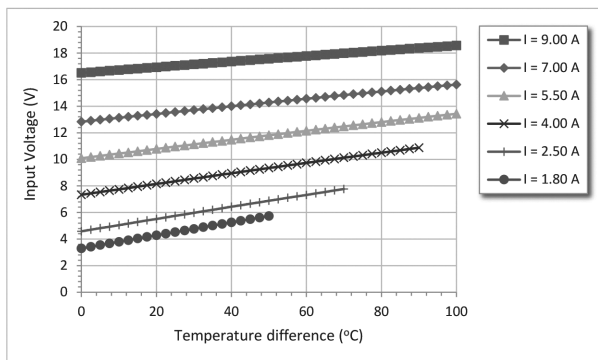
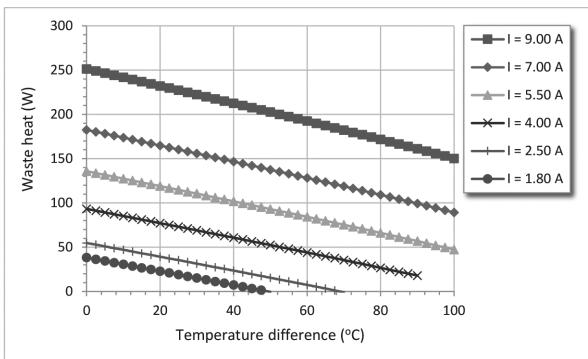
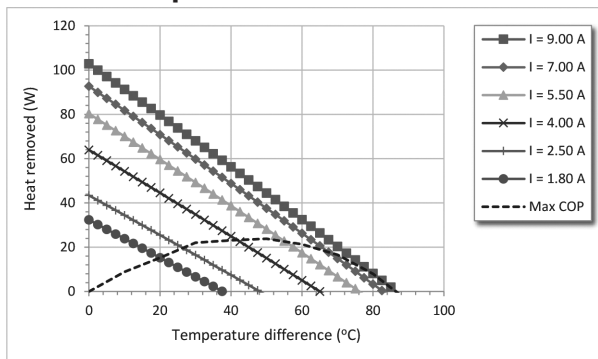


At hot side temperature 50°C



Peltier Cooler

At hot side temperature 75°C



Part Number Table

Description	Part Number
Peltier Cooler, 88W, 1.4Ω, 9A	MCHPE-128-10-05-E