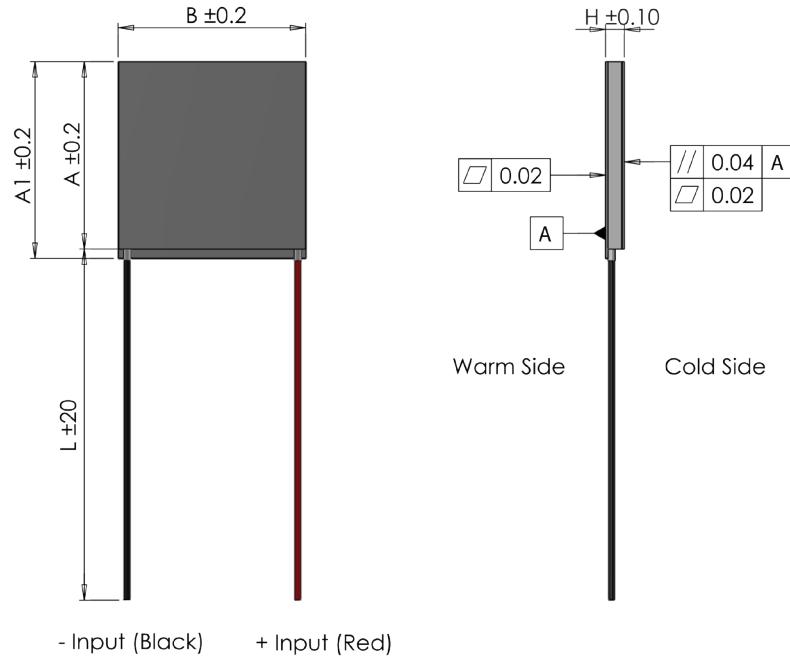


## Peltier Cooler Module - High Temperature Cycling

## Data Sheet



I <sub>max</sub>	[A]	4.53
V <sub>max</sub>	[Vdc]	20.1
P <sub>c</sub> max	[W]	55
ACR	[Ω]	3.4
ΔT <sub>max</sub>	[°C]	69
Max. hot side temp.	[°C]	180
A	[mm]	40
A <sub>1</sub>	[mm]	40
B	[mm]	40
H	[mm]	3.6

- (At hot side temperature  $T_h = 27^\circ\text{C} / 300\text{K}$ , under dry  $\text{N}_2$ )
- $P_c$  max = Cooling power at  $\Delta T = 0$  and  $I = I_{max}$
- $\Delta T_{max}$  = Temperature difference at  $I = I_{max}$  and  $P_c = 0$
- Max mounting pressure: 1.5MPa
- AF250 Teflon wire, 600V, -80 to +250degC

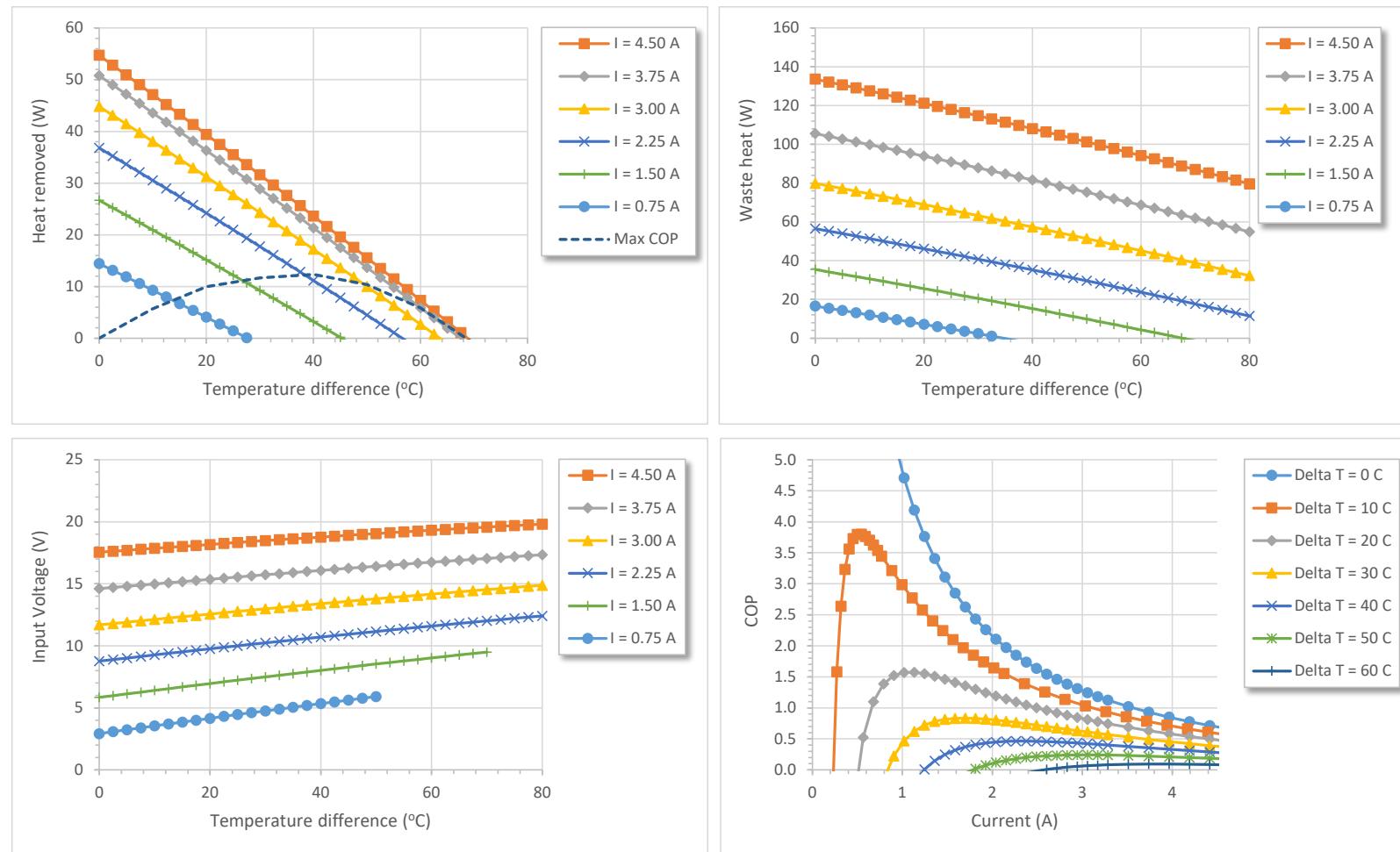
## Features

- 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



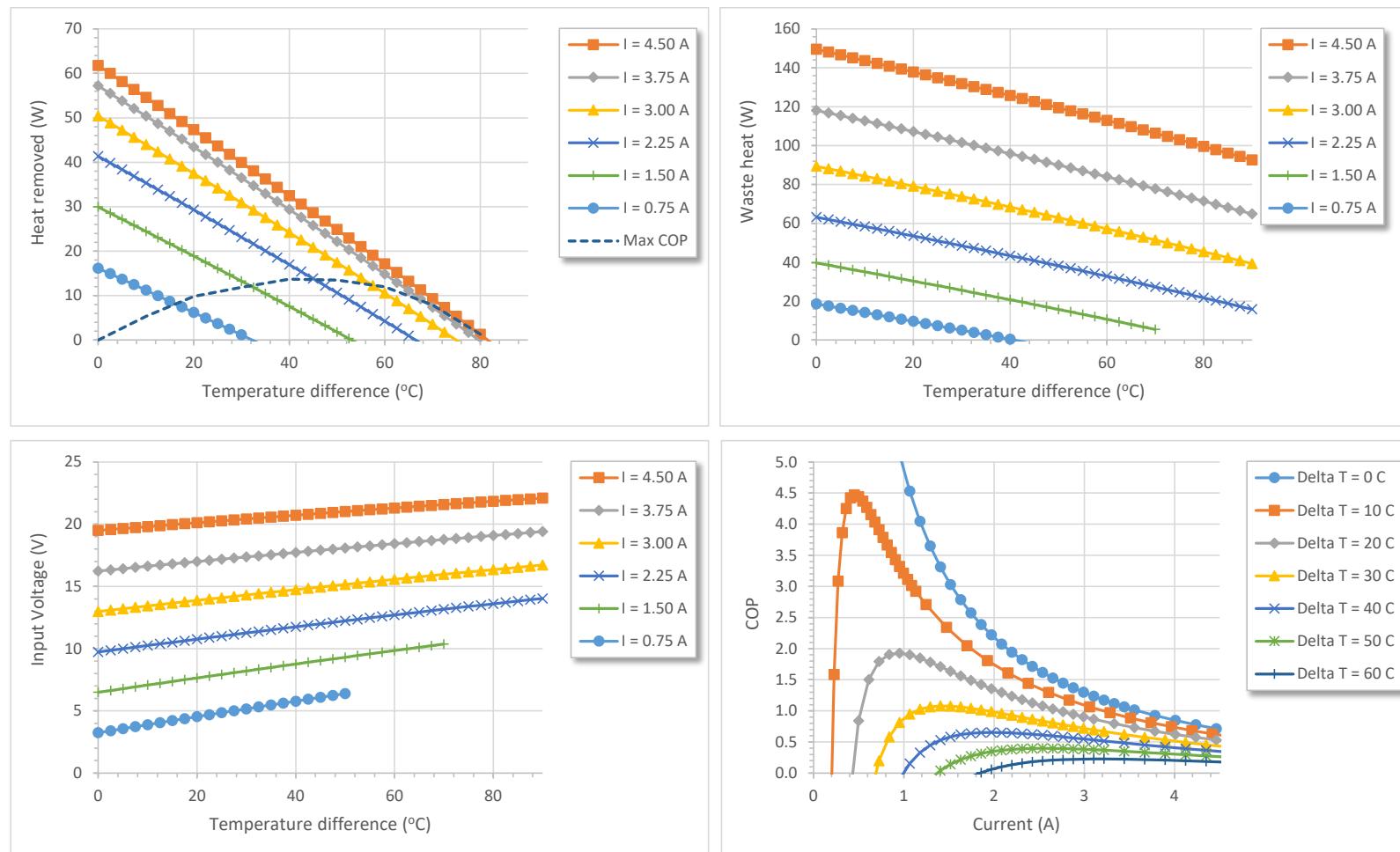
## Peltier Cooler Module - High Temperature Cycling

Data Sheet - At hot side temperature 25°C



## Peltier Cooler Module - High Temperature Cycling

## Data Sheet - At hot side temperature 50°C



## Peltier Cooler Module - High Temperature Cycling

## Data Sheet - At hot side temperature 75°C

