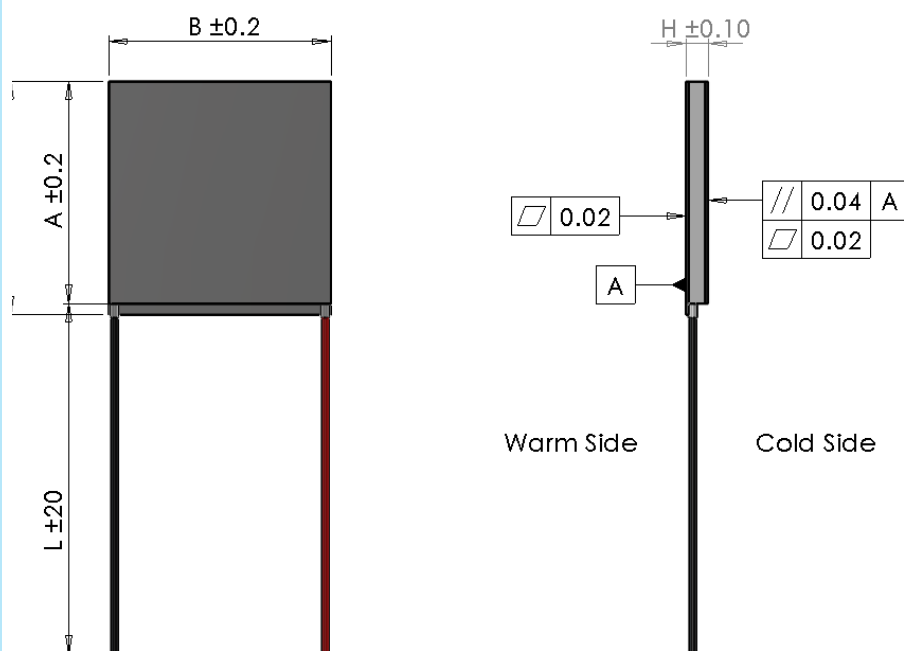
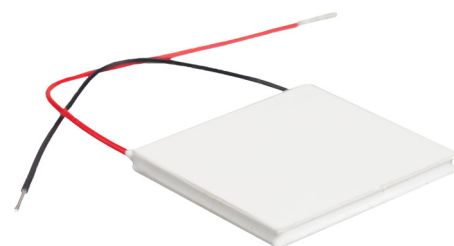


# ETH-288-10-13-E-HI

## THERMOELECTRIC MODULE



- Input (Black)    + Input (Red)



### High Temperature Module

78W, 40x40mm, 3.6Amp

### Features

- ROHS & REACH Compliant
- Solid-state reliability
- Epoxy sealed
- High integrity nickel diffusion barriers on elements
- High strength for rugged environments
- Porched style for enhanced leadwire strength

### Applications

Automotive, Industrial,  
Telecommunications, Medical, Aerospace

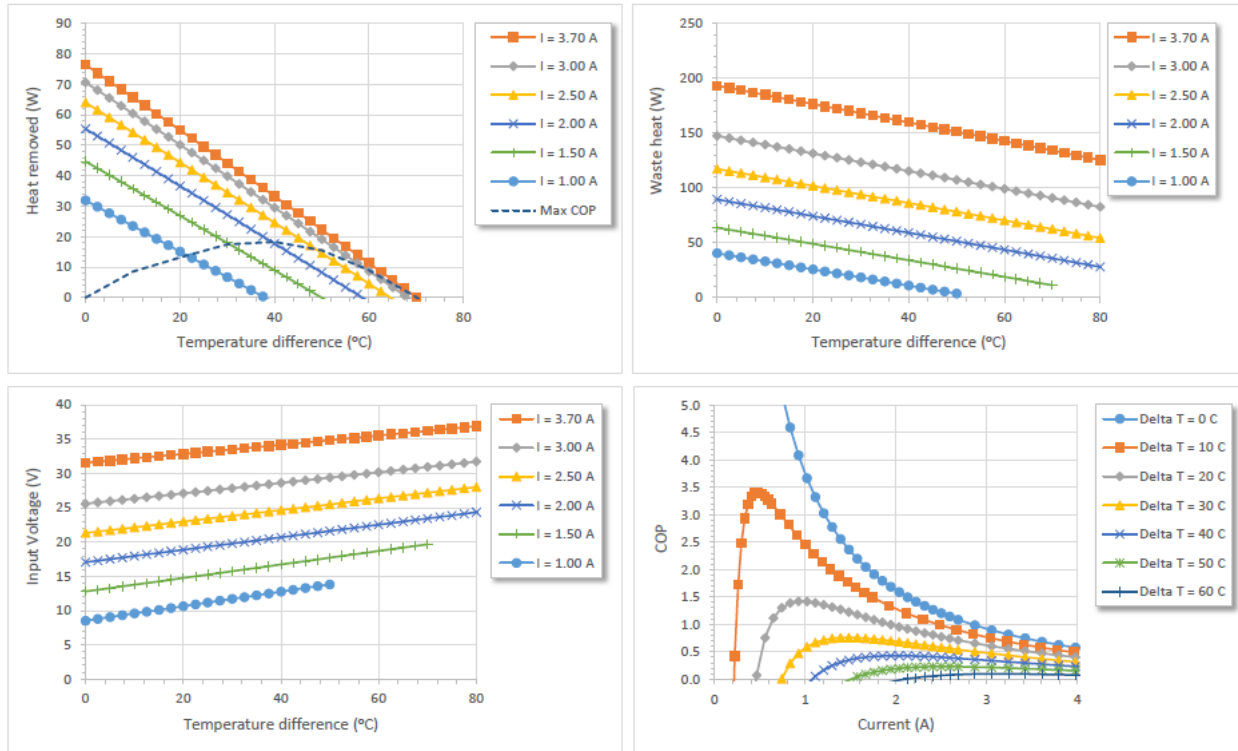
### CHARACTERISTICS

|                  |        |      |
|------------------|--------|------|
| DeltaT           | [°C]   | 72   |
| V <sub>max</sub> | [V]    | 36.1 |
| I <sub>max</sub> | [A]    | 3.6  |
| Q <sub>max</sub> | [W]    | 78   |
| ACR              | [Ohms] | 7.7  |
| A                | [mm]   | 40   |
| AI               | [mm]   | 40   |
| B                | [mm]   | 40   |
| H                | [mm]   | 3.6  |

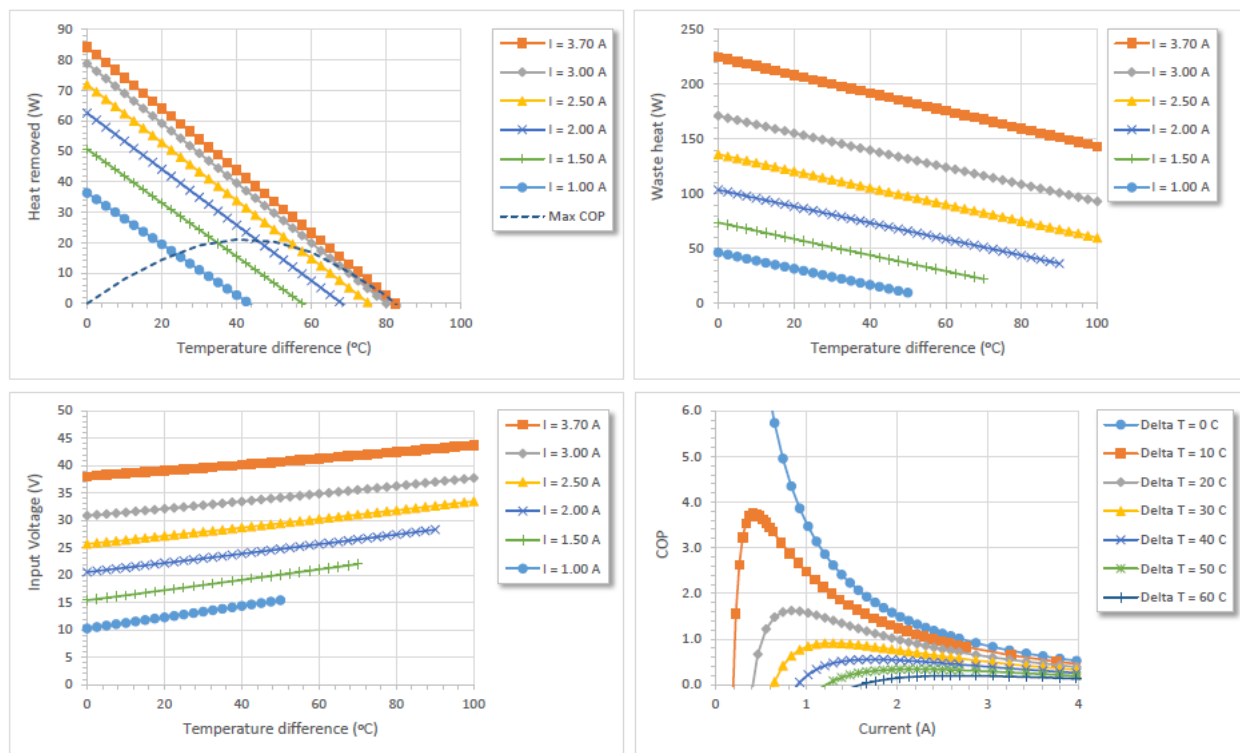
- (At hot side temperature  $T_h = 25^{\circ}\text{C} / 298\text{K}$ , under dry  $\text{N}_2$ )
- $Q_c \text{ max}$  = Cooling power at  $\Delta T = 0$  and  $I = I_{\text{max}}$
- $\Delta T_{\text{max}}$  = Temperature difference at  $I = I_{\text{max}}$  and  $Q_c = 0$
- Max hot side temperature  $T_h = 180^{\circ}\text{C}$  for best long term performance
- Max mounting pressure: 1.5MPa
- Wires: PFA, Teflon, 600V,  $+250^{\circ}\text{C}$  (Unstripped)

# ETH-288-10-13-E-HI

## Hot side temperature 25 degrees C

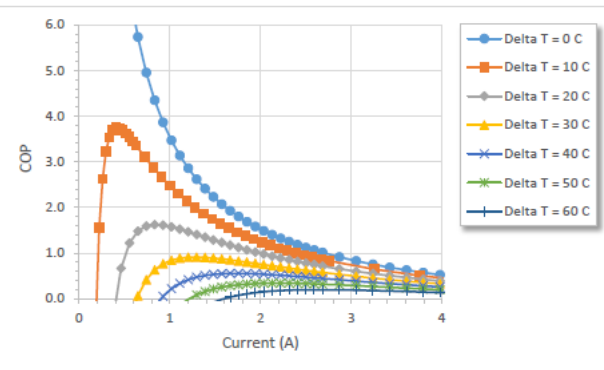
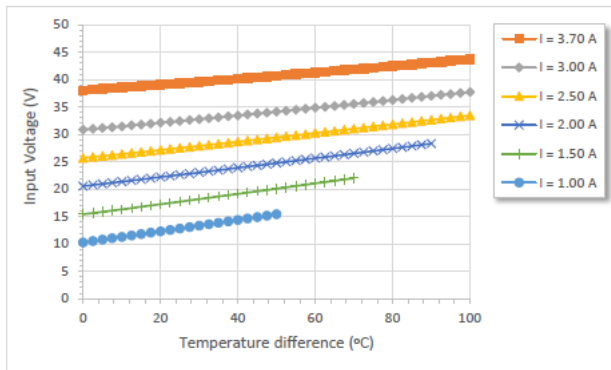
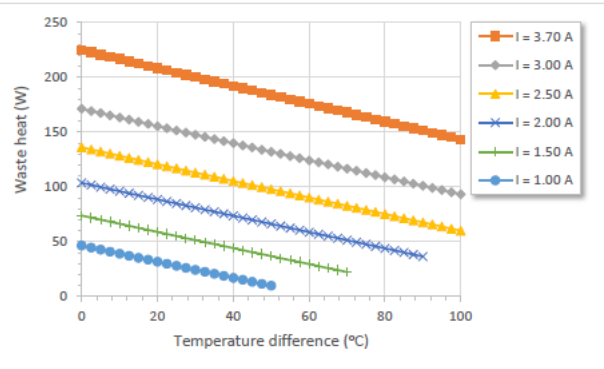
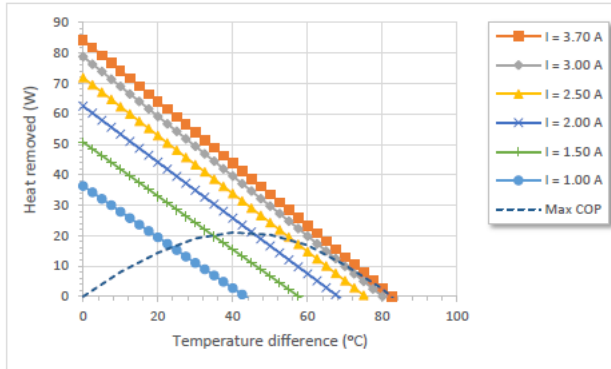


## Hot side temperature 50 degrees C



# ETH-288-10-13-E-HI

Hot side temperature 75 degrees C



## Notes

1. Do not overheat.
2. Maximum operating temperature: 180°C