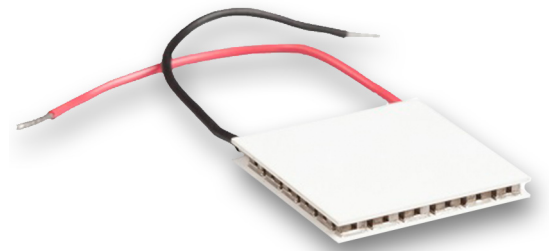
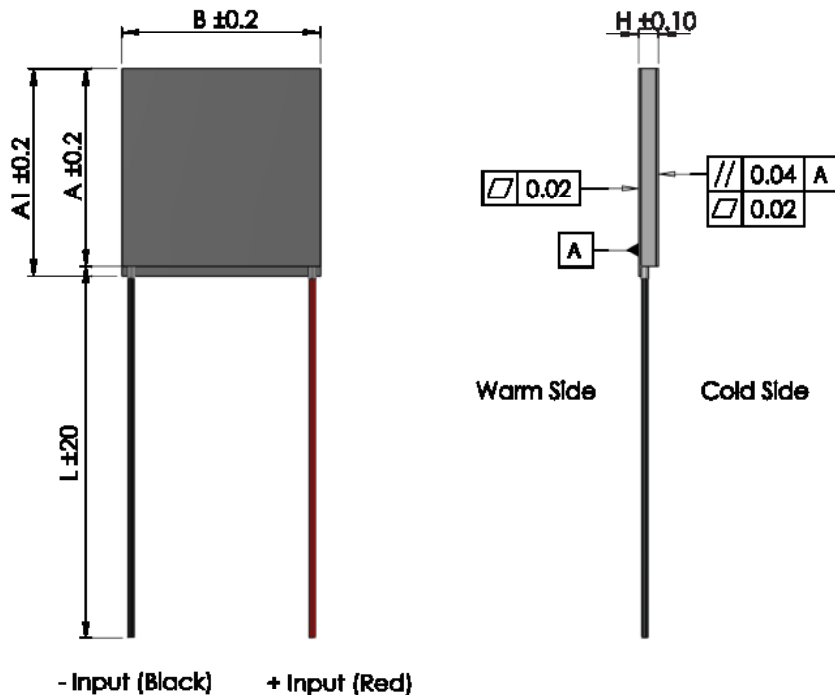


# ADV-07I-10-14-E-C2

## THERMOELECTRIC MODULE



### MID LEVEL PERFORMANCE - VALUE ORIENTED

7I couple, 20x20x3.3mm, 3Amp

#### Features

- ROHS & REACH Compliant
- Precise temperature control
- Solid-state reliability

#### Applications

Automotive, Industrial,  
Telecommunications, Medical, Aerospace

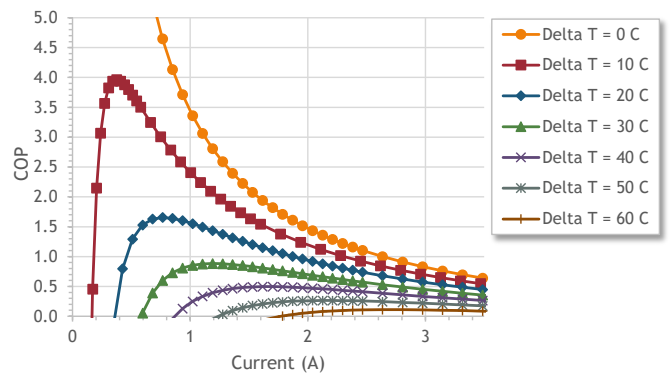
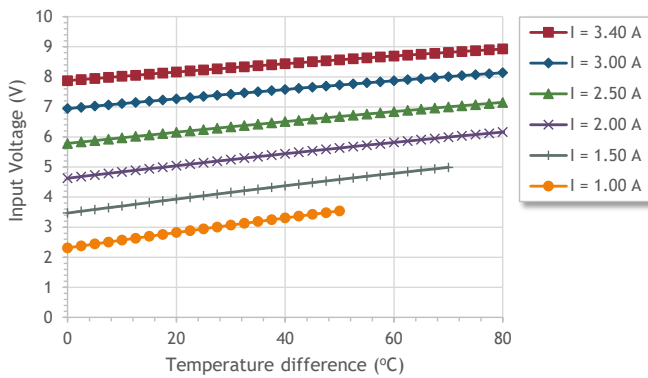
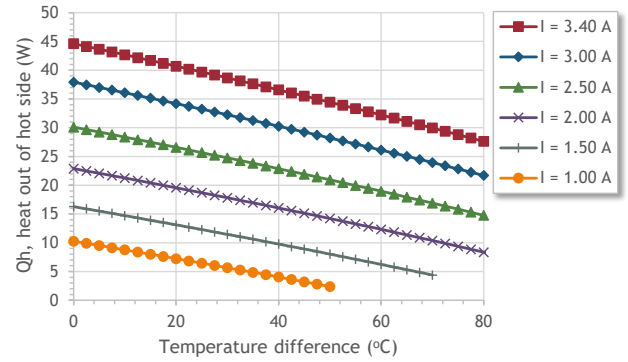
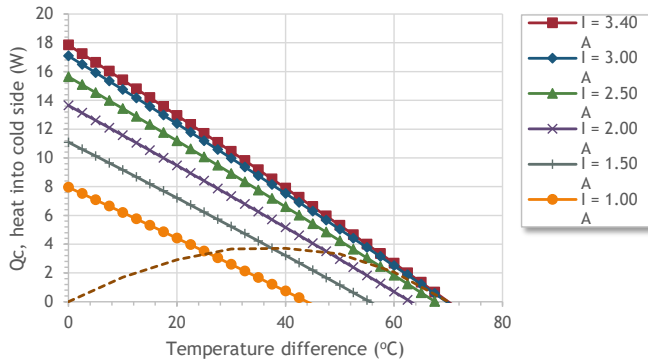
### CHARACTERISTICS

|                      |      |             |
|----------------------|------|-------------|
| DeltaT at 300K       | [°C] | 70          |
| Vmax                 | [V]  | 8.8         |
| I <sub>max</sub>     | [A]  | 3.4         |
| Q <sub>max</sub>     | [W]  | 17.2        |
| A                    | [mm] | 20          |
| A1                   | [mm] | 20          |
| B                    | [mm] | 20          |
| Flatness/Parellelism | [mm] | 0.05 / 0.05 |

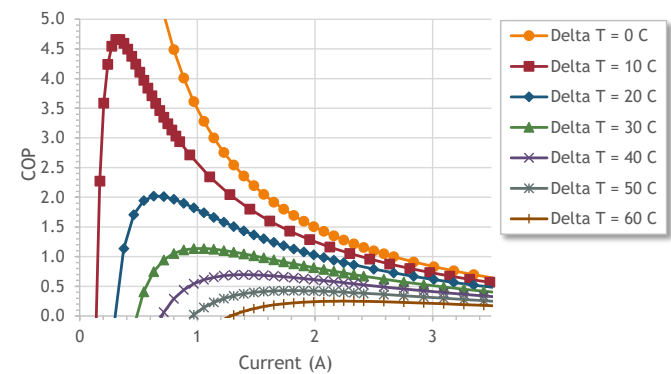
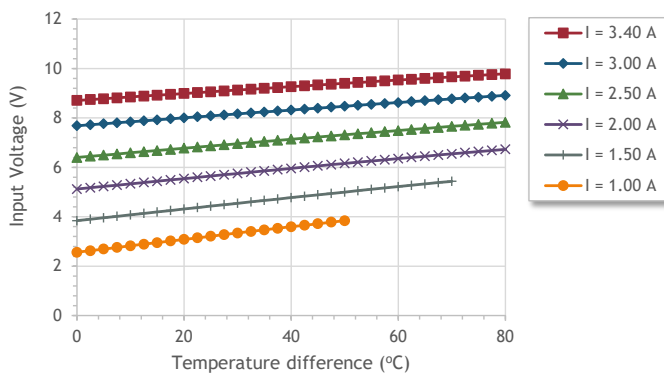
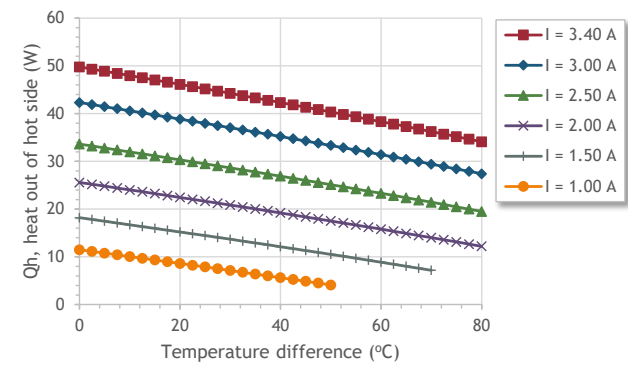
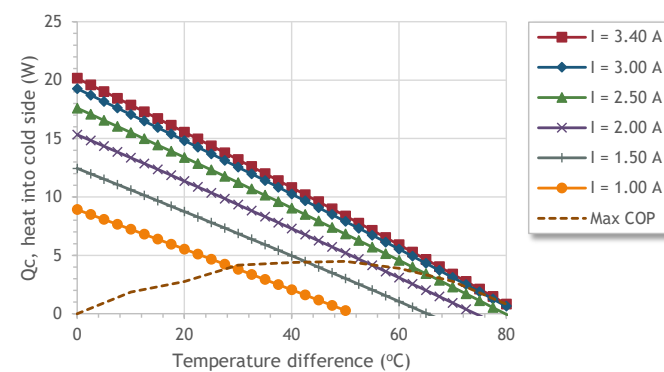
- (At hot side temperature  $T_h = 25^\circ\text{C} / 298\text{K}$ , under dry  $\text{N}_2$ )
- $P_c \text{ max}$  = Cooling power at  $\Delta T = 0$  and  $I = I_{\text{max}}$
- $\Delta T_{\text{max}}$  = Temperature difference at  $I = I_{\text{max}}$  and  $P_c = 0$
- Max hot side temperature  $T_h = 90^\circ\text{C}$  for best long term performance
- Max mounting pressure: 1.5MPa
- Wires: UL rated wire to 105°C

# ADV-07I-10-14-E-C2

## Hot side temperature 25 degrees C



## Hot side temperature 50 degrees C



# ADV-07I-10-14-E-C2

Hot side temperature 75 degrees C

