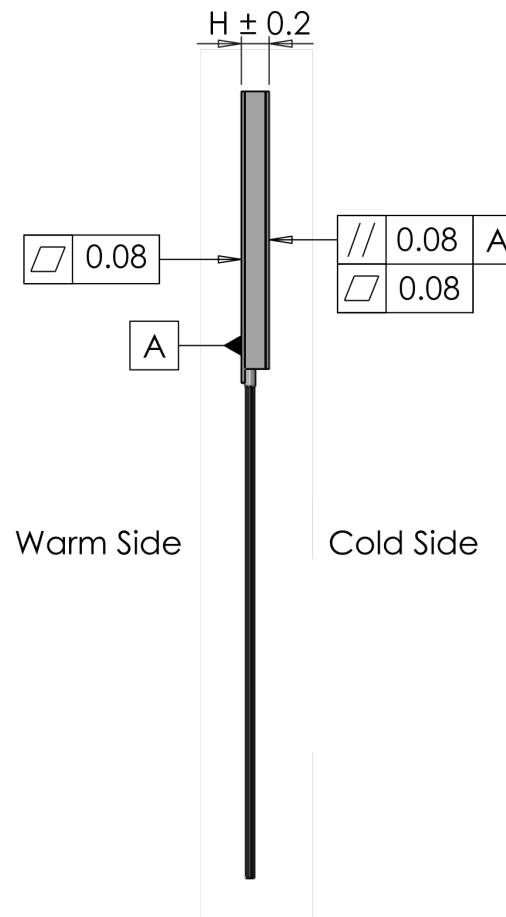
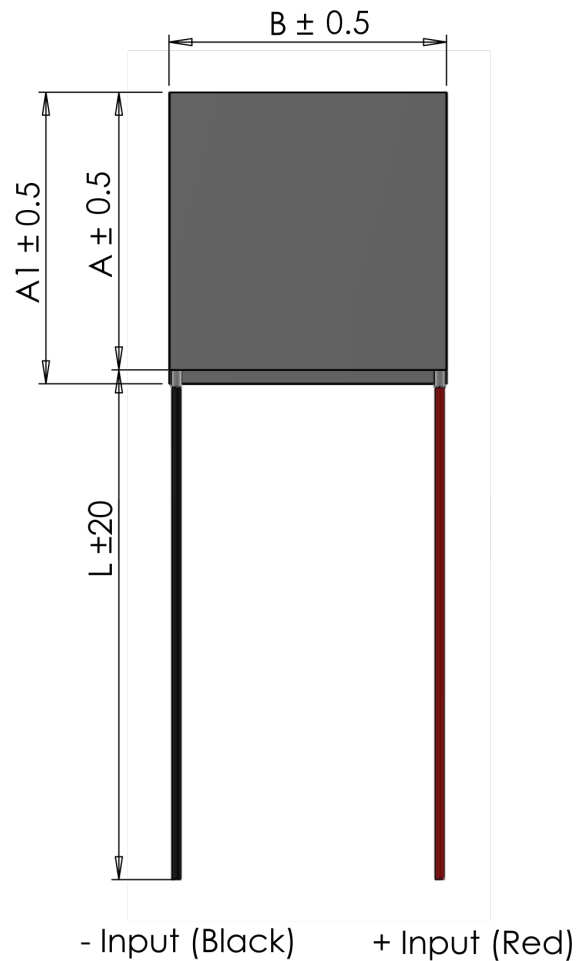


ADV-127-140170-S

Thermoelectric cooler module single stage

Data sheet



I_{max}	[A]	5
V_{max}	[Vdc]	15.4
$P_c \max$	[W]	42.8
ΔT_{max}	[°C]	65
Max hot side temp.	[°C]	80
A	[mm]	40
B	[mm]	40
H	[mm]	3.9
L	[mm]	350
Wire	AWG	20
Sealant		Silicone

(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 $P_c = 0$.

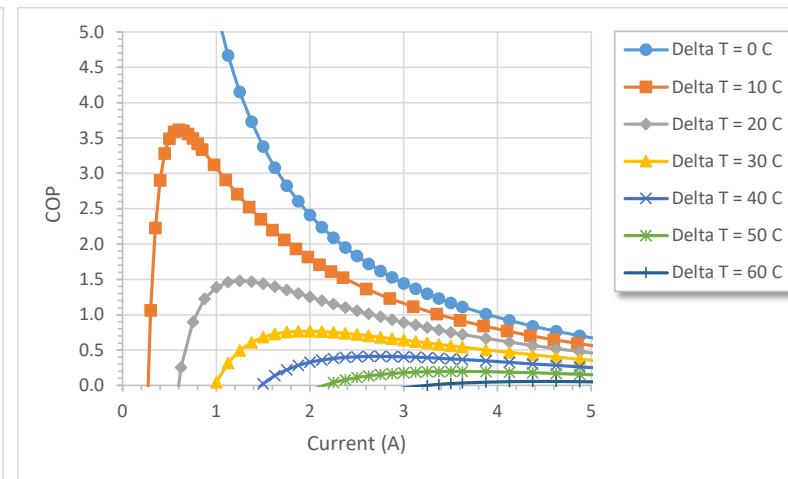
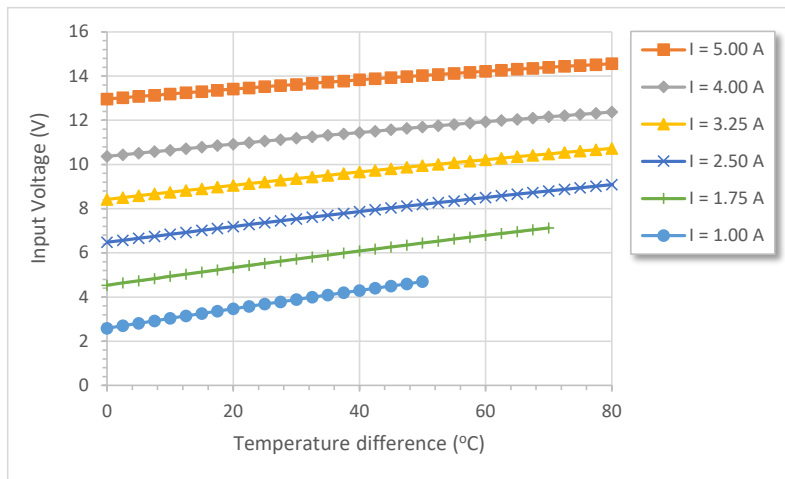
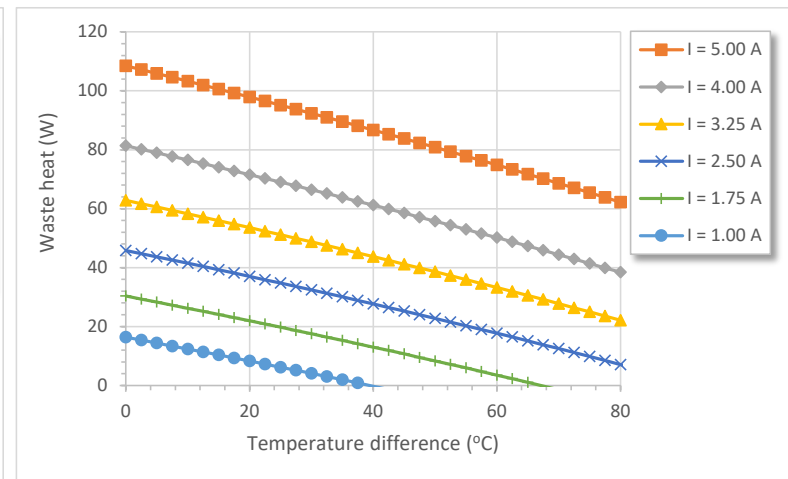
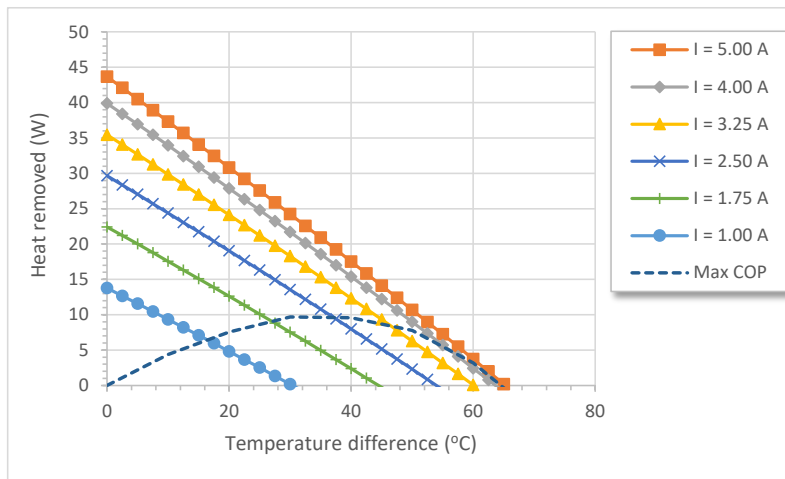
Max hot side temperature given for best long term performance.

Max mounting pressure: 1.5MPa.

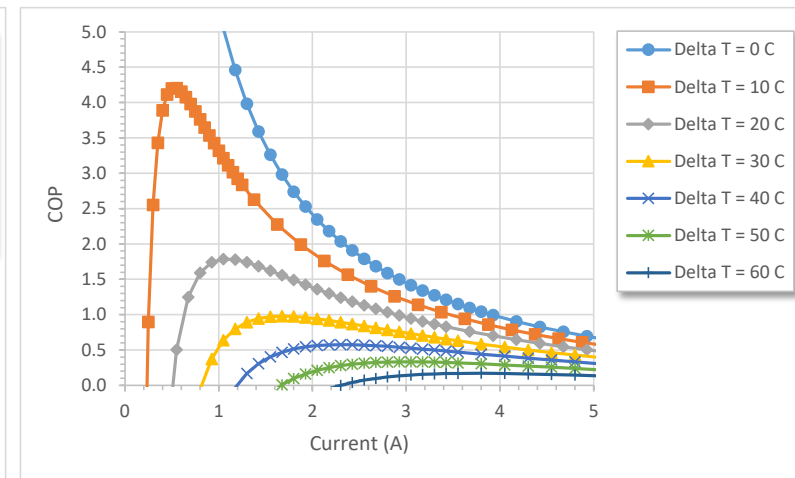
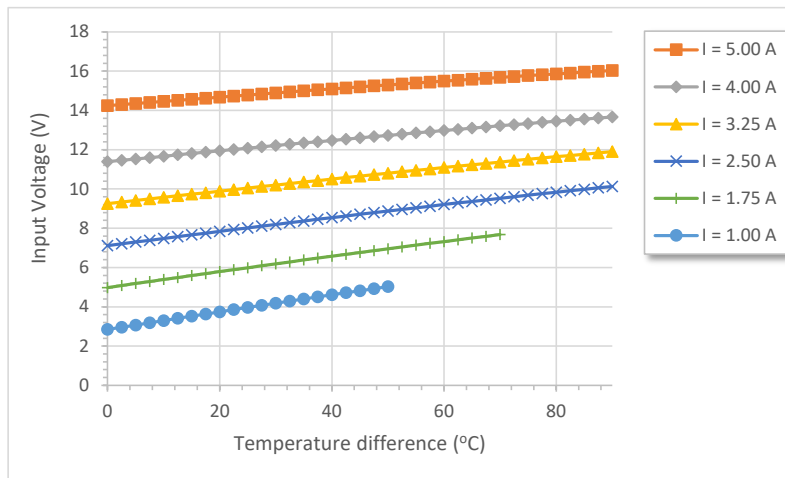
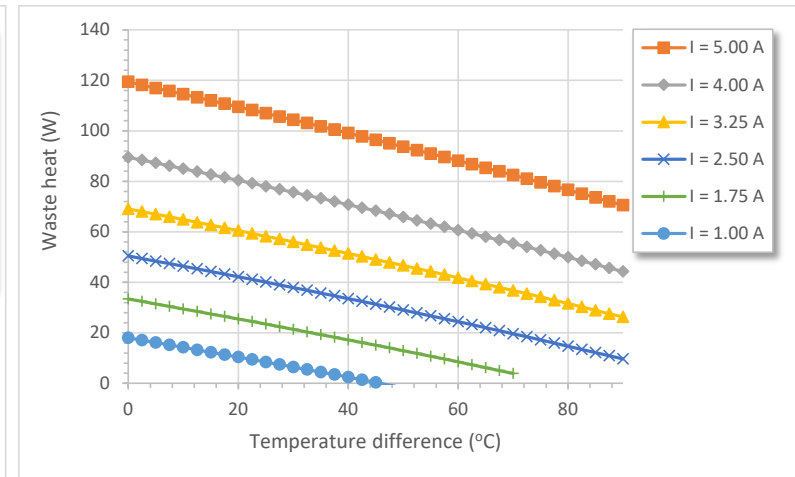
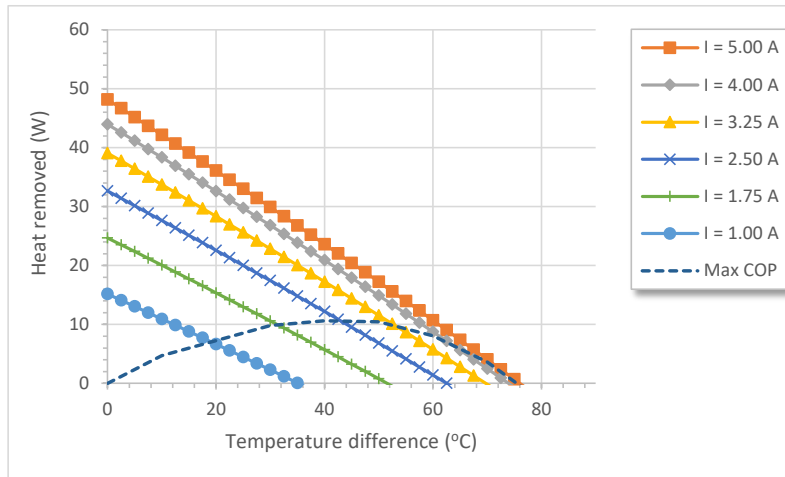
Wires: UL 1694 insulation PVC max. 105°C



Data sheet - At hot side temperature 25°C



Data sheet - At hot side temperature 50°C



Data sheet - At hot side temperature 75°C

