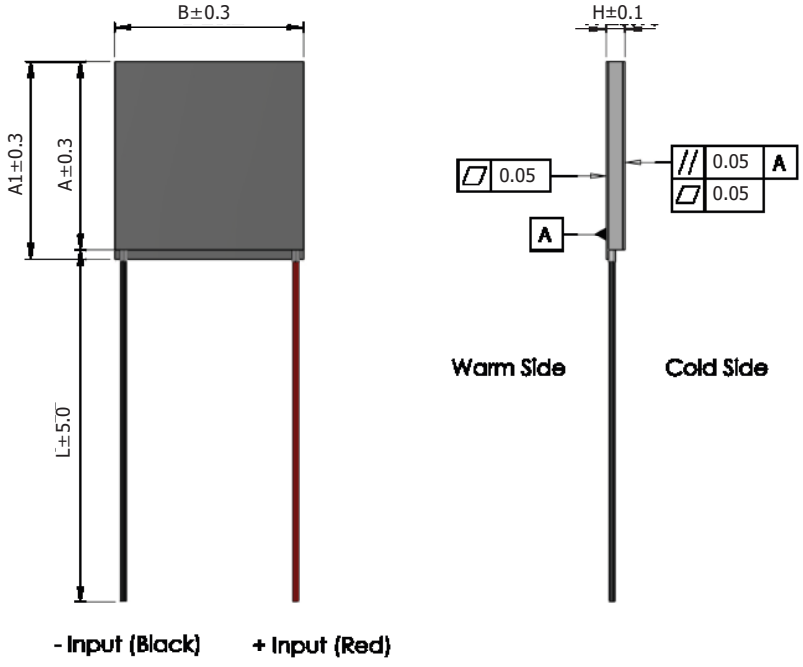
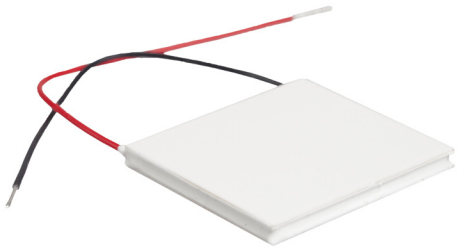
APC-199-14-22-S-F4

CYCLING THERMOELECTRIC MODULE





SILICONE SEALED THERMAL CYCLING MODULE

40x40x4.6mm, 4Amp

Features

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

Applications

Automotive, Industrial,
Telecommunications, Medical, Aerospace

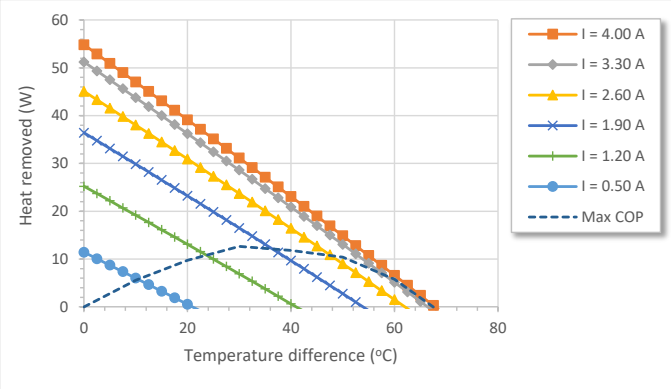
CHARACTERISTICS			
Th	[°C]	27	50
DeltaT	[°C]	68	75
Vmax	[V]	24.1	24.1
Imax	[A]	4	4
Qcmax	[W]	55.7	61.2
AC Resistance	[Ω]	4.94 ± 10%	
Solder Melting Point	[°C]	235	
Compression Strength	[MPa]	1	
A	[mm]	40	
A1	[mm]	40	
B	[mm]	40	
H	[mm]	4.6	
L	[mm]	100	
Flatness/Parallelism	[mm]	0.05 / 0.05	

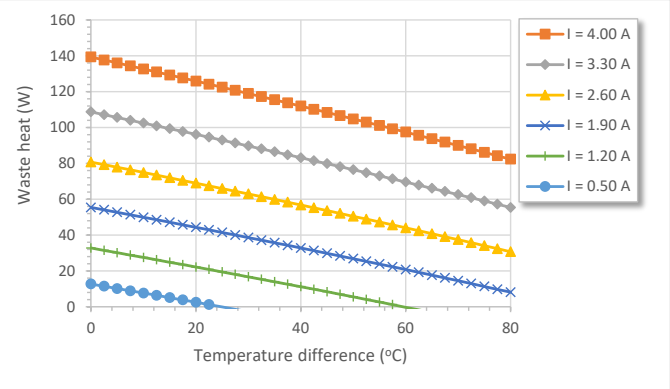
- (At hot side temperature Th = 25°C / 298K, under dry N_2)
- Pc max = Cooling power at ΔT = 0 and I = Imax
- ΔTmax = Temperature difference at I = Imax and Pc = 0
- Max hot side temperature Th = 90°C for best long term performance
- Wires: UL rated wire to 105°C / AWG 20

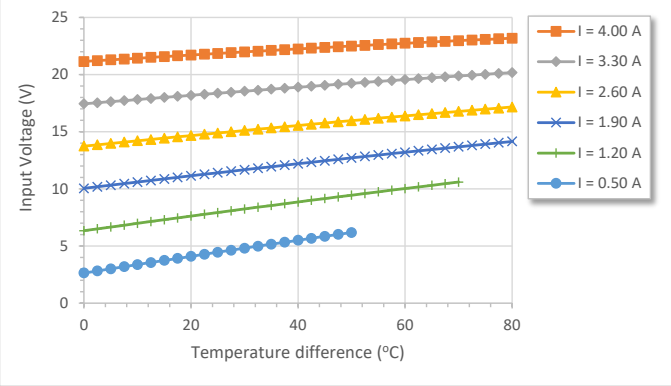
Adaptive is a registered trademark of European Thermodynamics Limited.
Web: www.etdyn.com | Tel: +44(0)116 279 6899
E-mail: info@etdyn.com

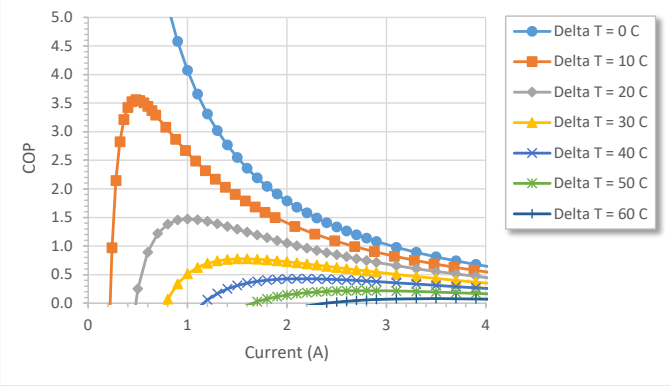
APC-199-14-22-S-F4

Hot side temperature 27 degrees C

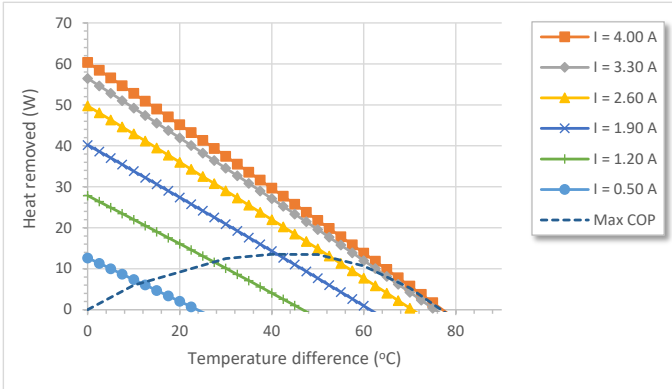


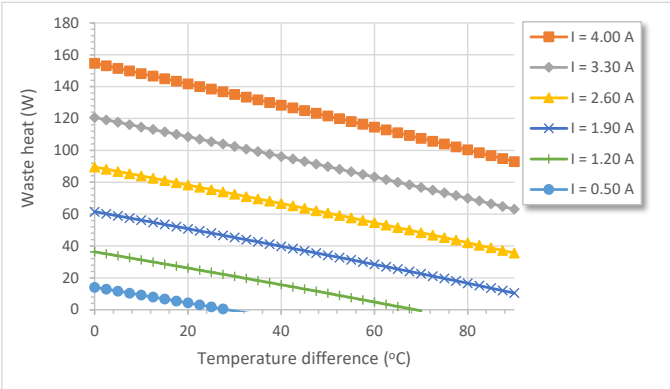


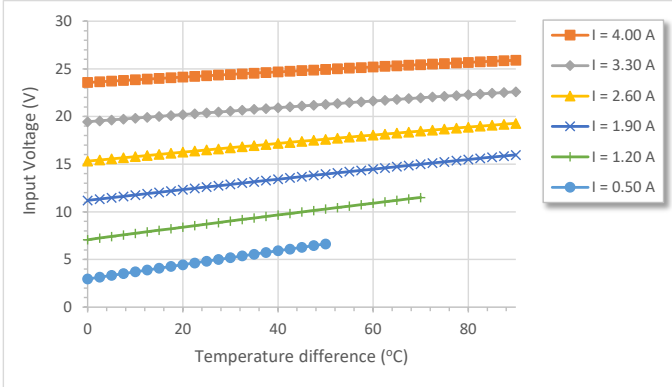


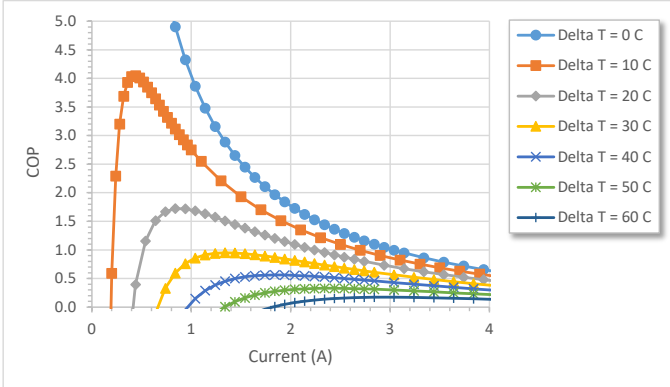


Hot side temperature 50 degrees C





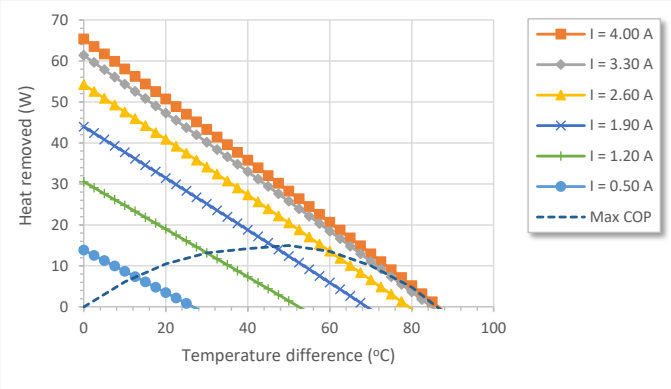


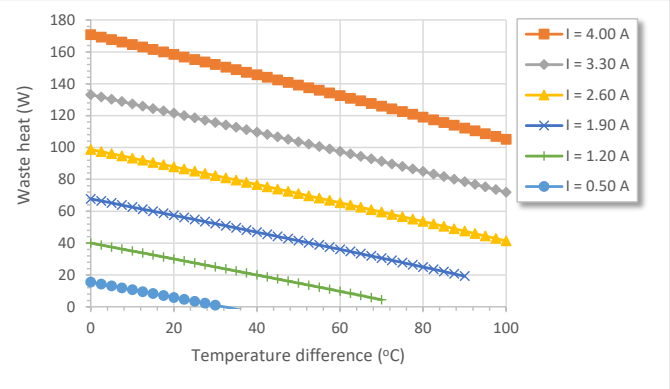


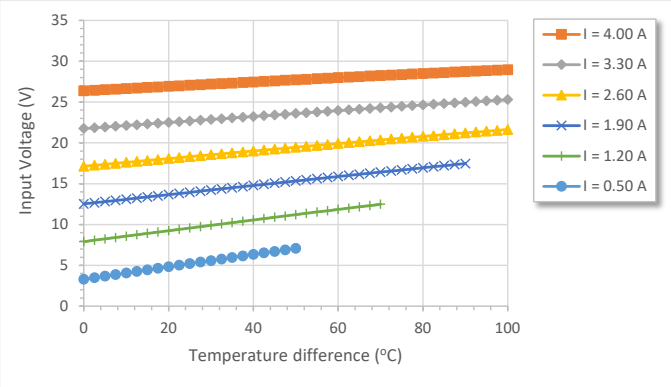
Adaptive is a registered trademark of European Thermodynamics Limited.
Web: www.etdyn.com | Tel: +44(0)116 279 6899
E-mail: info@etdyn.com

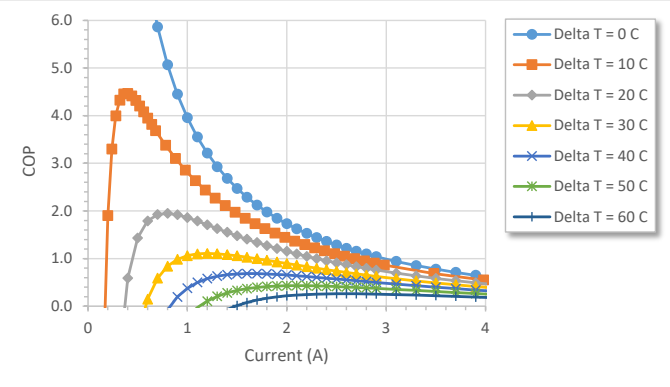
APC-199-14-22-S-F4

Hot side temperature 75 degrees C









Adaptive is a registered trademark of European Thermodynamics Limited.
Web: www.etdyn.com | Tel: +44(0)116 279 6899
E-mail: info@etdyn.com