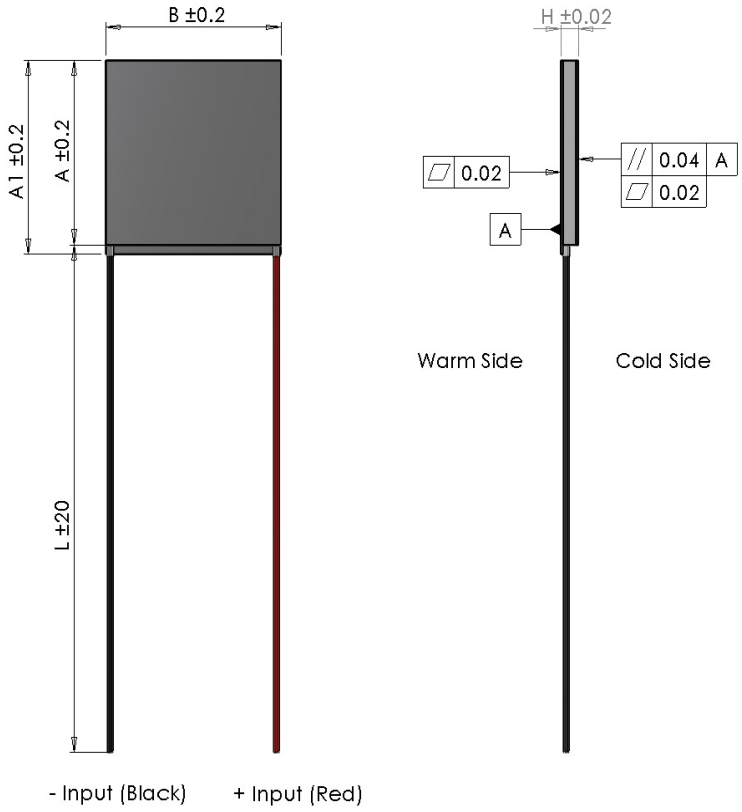
APHC-03502-MT

Peltier cooler module

Data sheet



Imax	[A]	1.8
Vmax	[Vdc]	4.4
Pc max	[W]	5.2
ACR	[Ω]	2.1
ΔTmax	[°C]	64
A	[mm]	8.8
A1	[mm]	8.8
B	[mm]	11
H	[mm]	2.16
L	[mm]	100
Wire	AWG	28

- Pretinned metallised surface with 118°C solder
- Assembled with 138°C solder
- (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 = 80°C for best long term performance
- Max mounting pressure: 1.5MPa
- Wires: UL-style 1569, 105oC (Unstripped)

Adaptive® Thermal Management

Web: www.etdyn.com Tel: +44(0)116 279 6899 E-mail: info@etdyn.com

APHC-03502-MT

Peltier cooler module

Features

- Both sides are metallised
- 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

Installation

Recommended mounting methods: Bonding with thermal or epoxy or soldering with metallised ceramics.
For further information, please visit adaptivete.com or e-mail info@etdyn.com for technical support.

Operation cautions

For maximum reliability, storage and operation - a temperature below 85°C in a non-condensing environment is recommended. To minimise thermal stress, use a linear/proportional temperature control or a similar method rather than an on/off method.

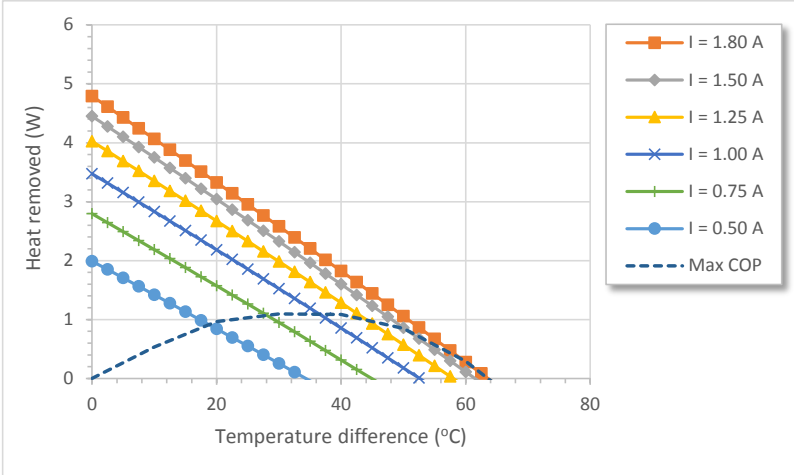
Adaptive Thermal Management

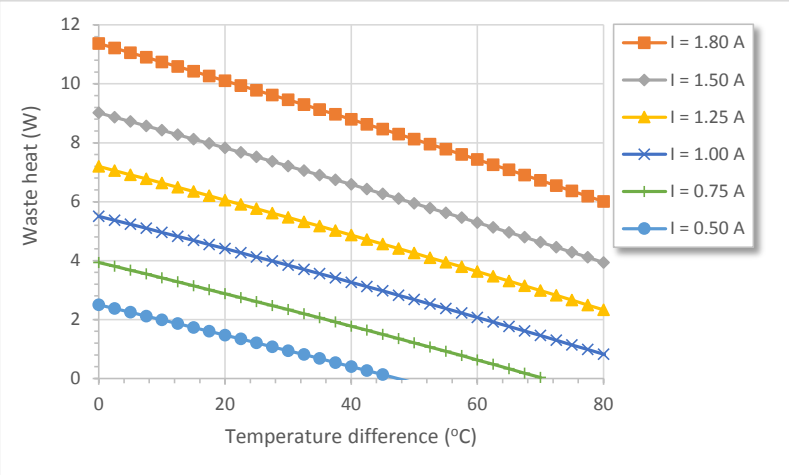
Web: www.etdyn.com Tel: +44(0)116 279 6899 E-mail: info@etdyn.com

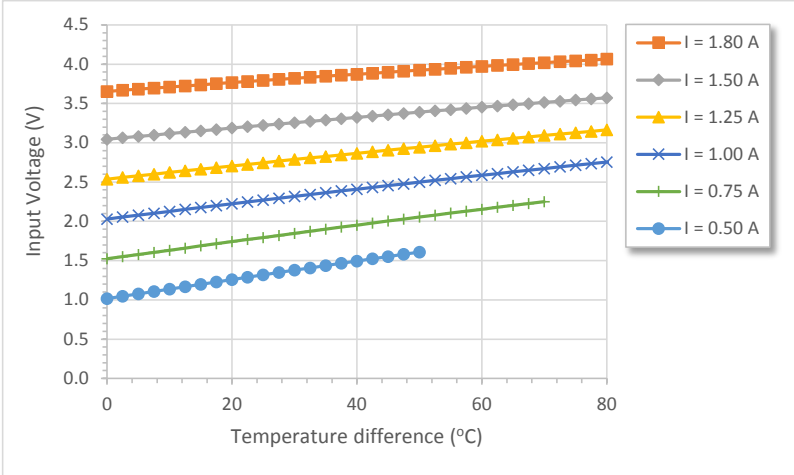
APHC-03502-MT

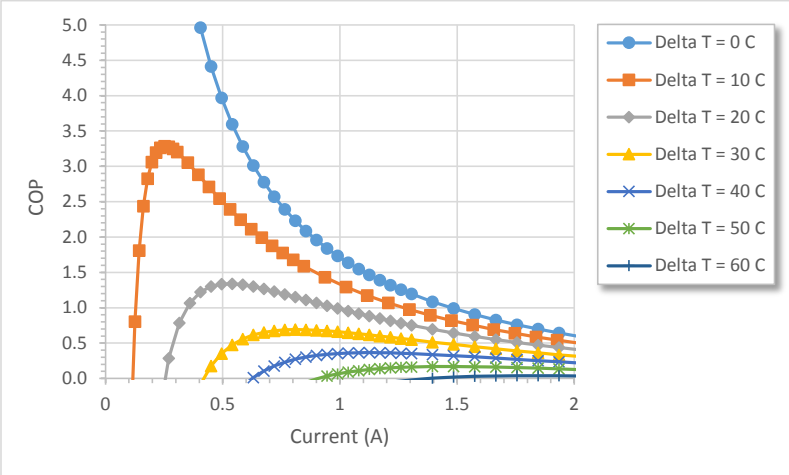
Peltier cooler module

Data sheet - At hot side temperature 25°C







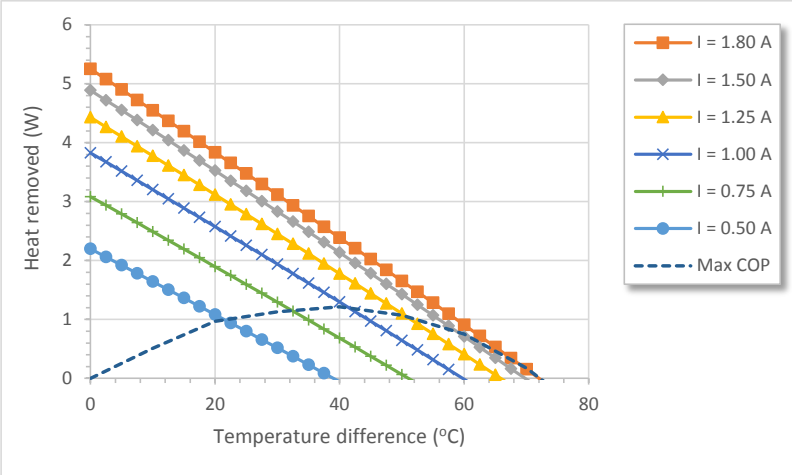


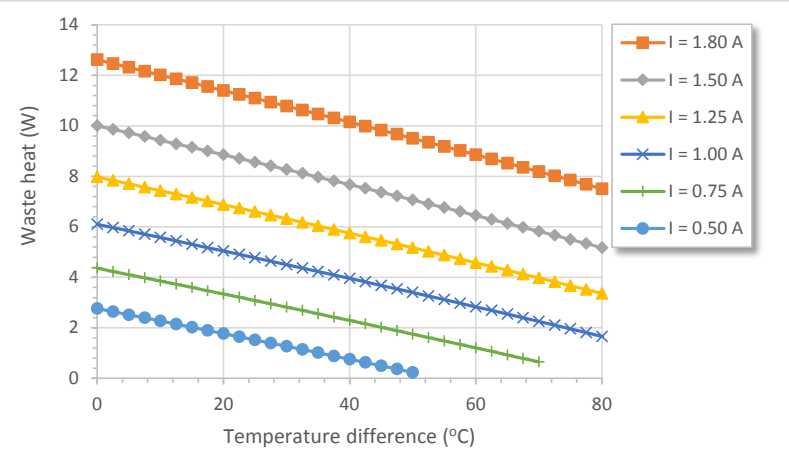
Web: www.etdyn.com Tel: +44(0)116 279 6899 E-mail: info@etdyn.com

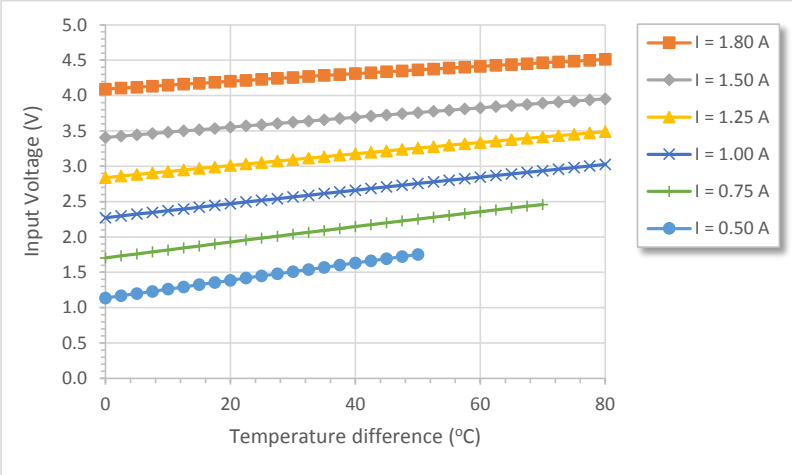
APHC-03502-MT

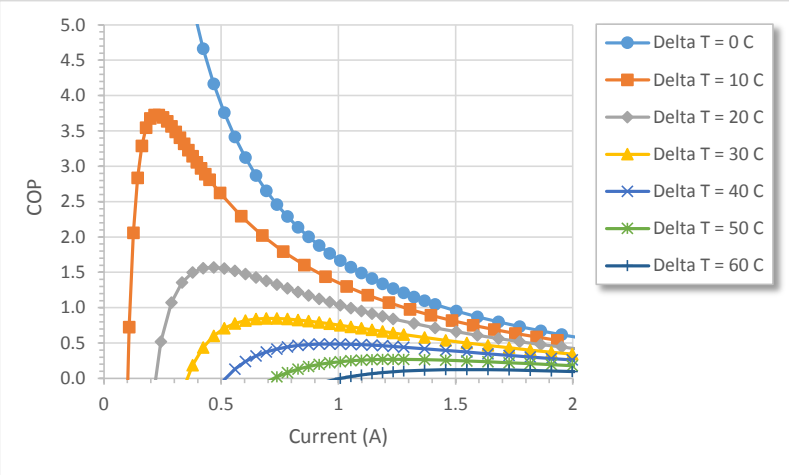
Peltier cooler module

Data sheet - At hot side temperature 50°C









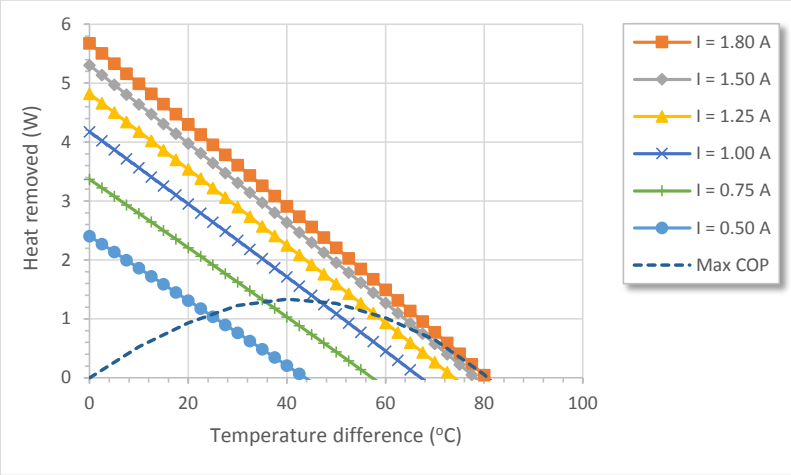
Adaptive® Thermal Management

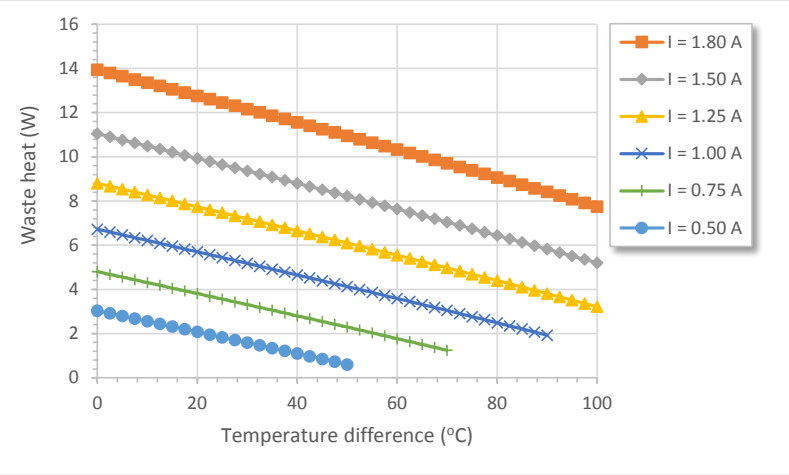
Web: www.etdyn.com Tel: +44(0)116 279 6899 E-mail: info@etdyn.com

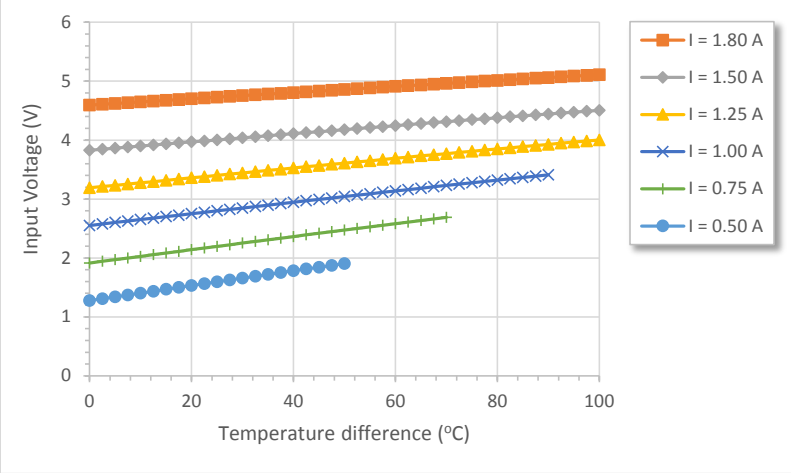
APHC-03502-MT

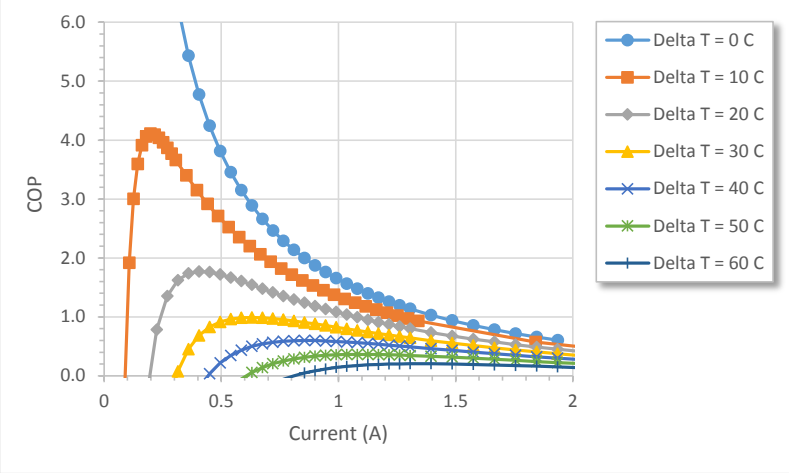
Peltier cooler module

Data sheet - At hot side temperature 75°C









Web: www.etdyn.com Tel: +44(0)116 279 6899 E-mail: info@etdyn.com