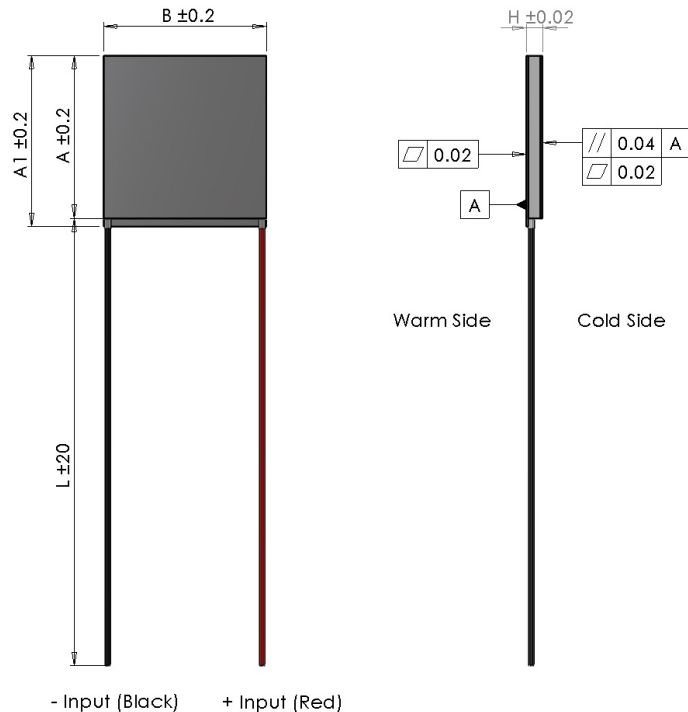


# APHC-12703-S

## Peltier cooler module

### Data sheet



$I_{max}$	[A]	2.5
$V_{max}$	[Vdc]	14.7
$P_c \text{ max}$	[W]	23
ACR	[ $\Omega$ ]	4.9
$\Delta T_{max}$	[ $^{\circ}\text{C}$ ]	66
A	[mm]	30
A1	[mm]	30
B	[mm]	34
H	[mm]	3.39
L	[mm]	100
Wire	AWG	20

## Features

- RoHs and Reach 161 compliant
- Solid-state reliability
- Built with high temperature solder with the ability to withstand  $<200^{\circ}\text{C}$  assembly processing temperatures for short periods of time
- High integrity nickel diffusion barriers on elements
- High strength for rugged environments
- Porched style for enhanced leadwire strength
- Sealed & lapped for multi-module applications

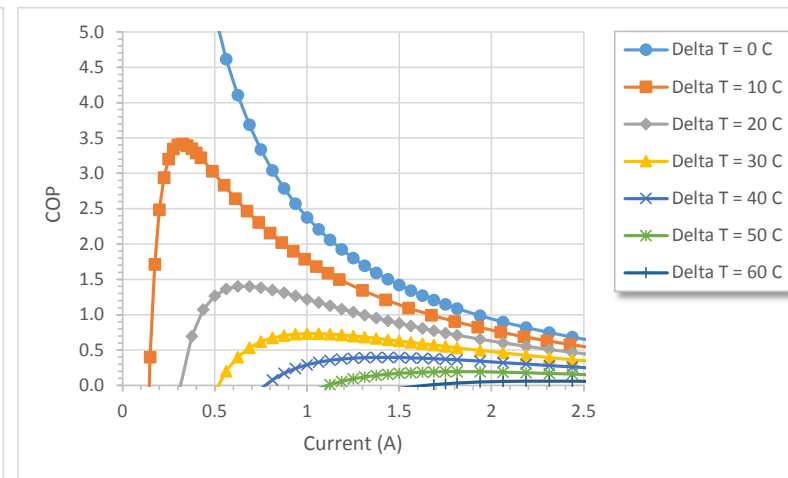
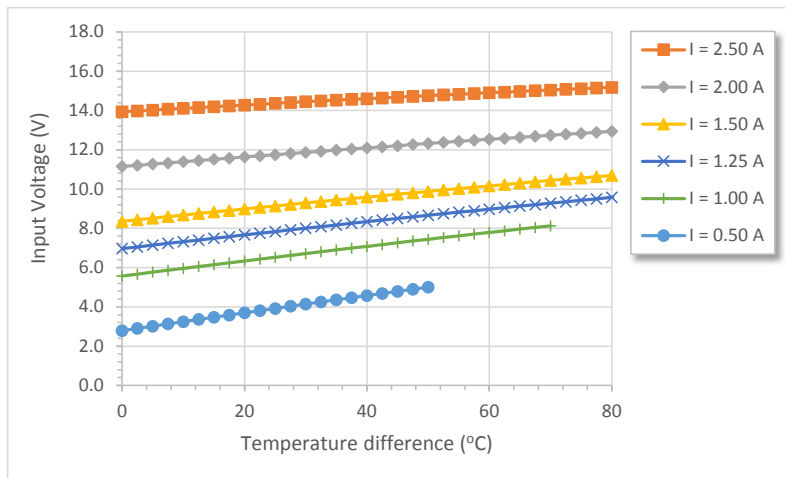
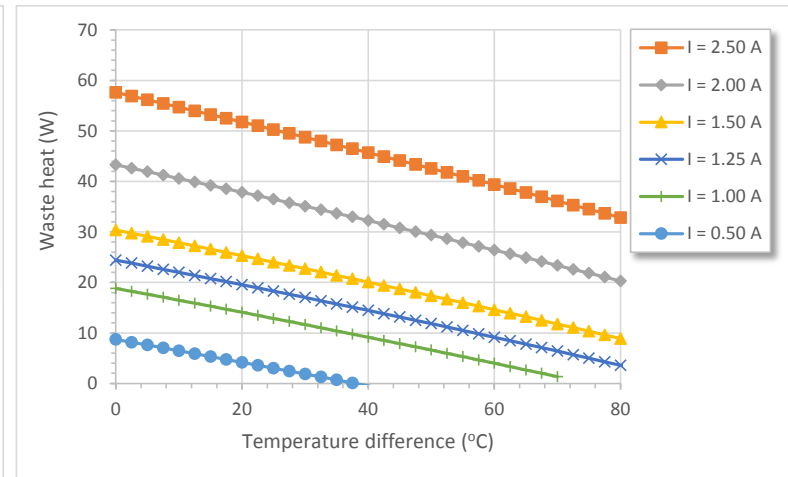
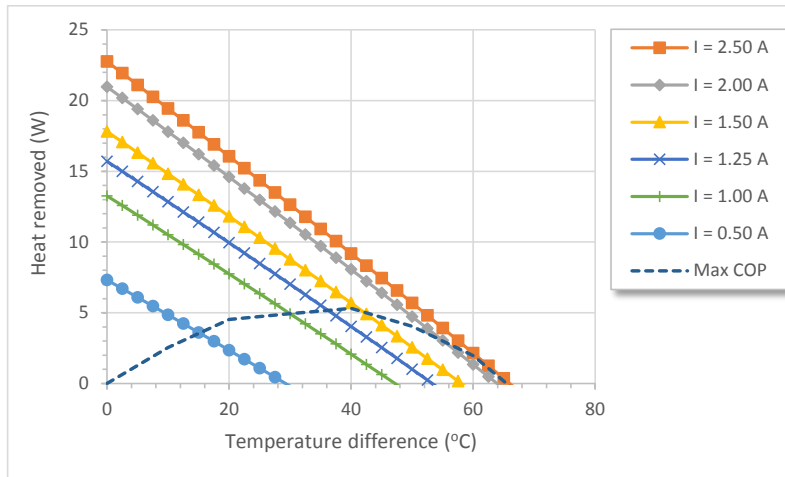
- (At hot side temperature  $T_h = 27^{\circ}\text{C} / 300\text{K}$ , under dry  $\text{N}_2$ )
- $P_c \text{ max}$  = Cooling power at  $\Delta T = 0$  and  $I = I_{max}$
- $\Delta T_{max}$  = Temperature difference at  $I = I_{max}$  and  $P_c = 0$
- Max hot side temperature  $T_h = 200^{\circ}\text{C}$  for best long term performance
- Max mounting pressure: 1.5MPa
- Wires: UL-style 1569, 105oC (Unstripped)



# APHC-I2703-S

## Peltier cooler module

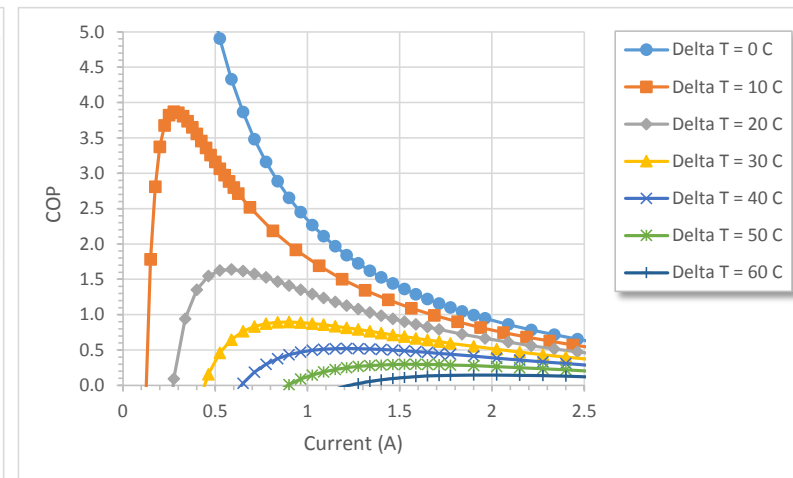
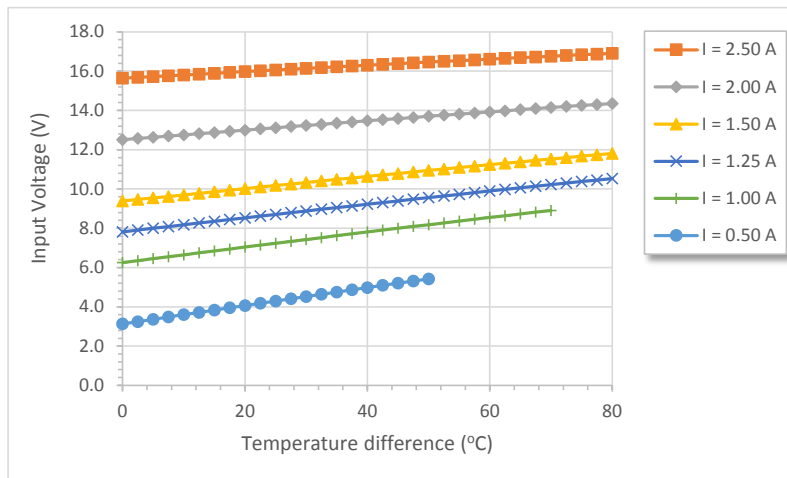
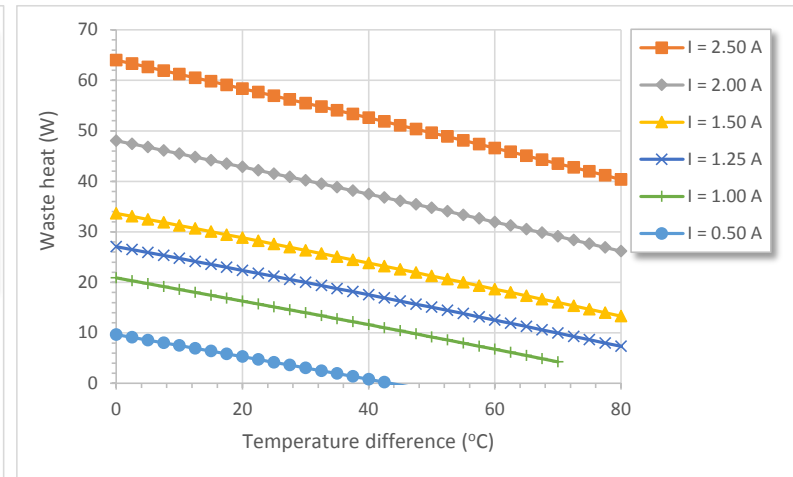
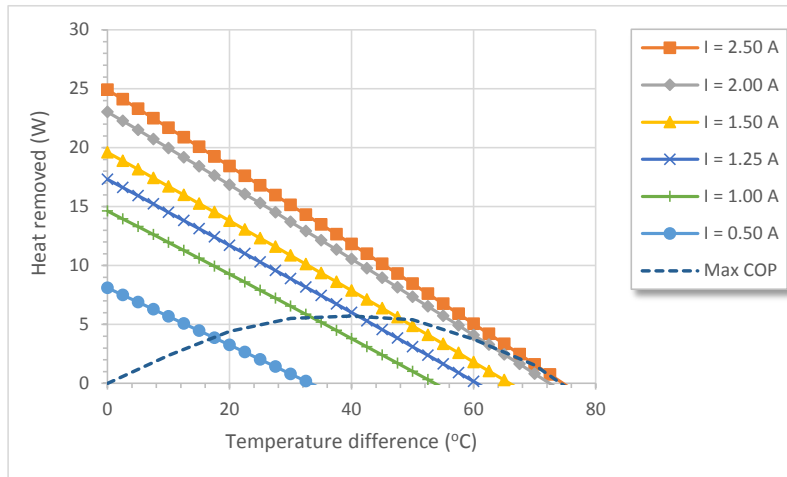
Data sheet - At hot side temperature 25°C



# APHC-I2703-S

## Peltier cooler module

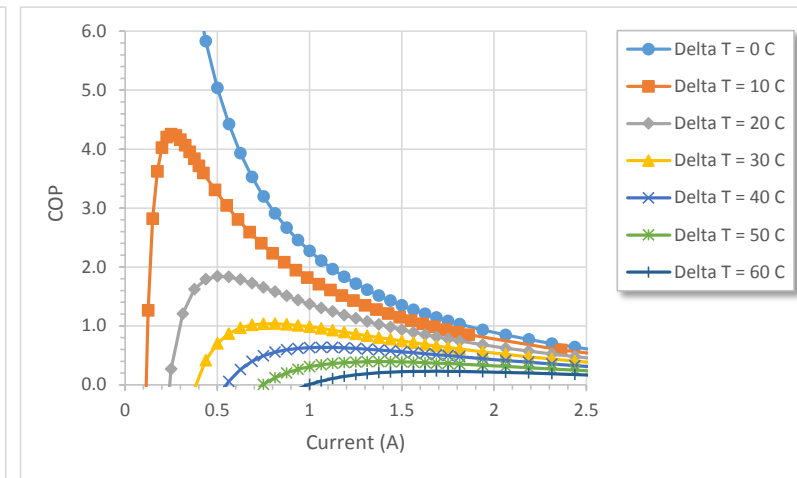
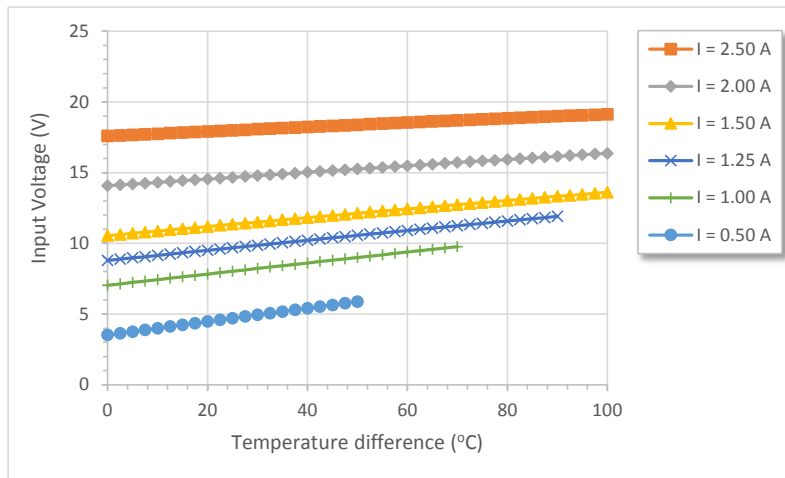
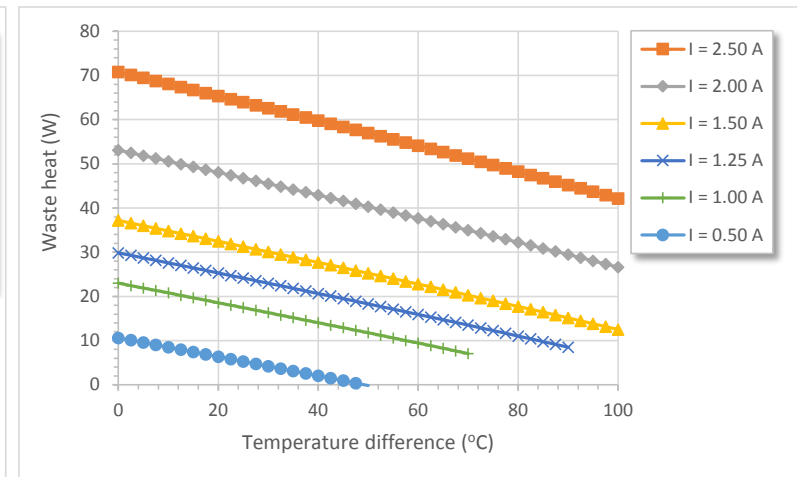
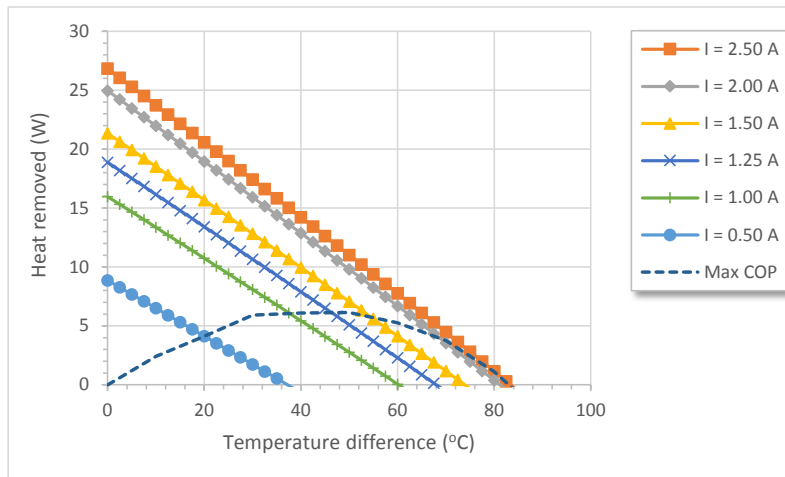
Data sheet - At hot side temperature 50°C



# APHC-I2703-S

## Peltier cooler module

### Data sheet - At hot side temperature 75°C



## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [european thermodynamics manufacturer](#):*

Other Similar products are found below :

[AP3-070-20-25](#) [APHC-12706-S](#) [SF-06-150-S](#) [APH-031-10-13-S](#)