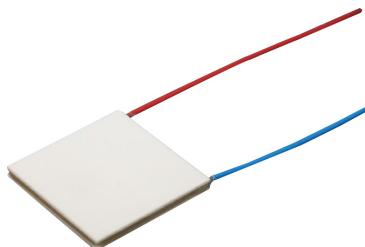


# Peltier Cooler



## Specification:

Parameters		Remarks
Internal Resistance	$0.35\Omega \pm 10\%$	Note-1
I Max.	8.5A	Note-2
V Max.	3.8V	Note-3
-	Th = 27°C    Th = 50°C	-
Q Max.	18.8 W    20.8 W	Note-4
$\Delta T$ Max.	70°C    77°C	Note-5
Solder melting point	235°C	Note-6
Max. compress	1MPa	Note-7

Note-1 Measured by AC 4-terminal method at 25°C

Note-2 Max. current at T Max.

Note-3 Max. voltage at T Max.

Note-4 Max. cooling capacity at I max., V max. and  $\Delta T = 0^\circ\text{C}$

Note-5 Max. temperature difference at I max., V max. and Q = 0 W  
(Max. parameters are measured in a vacuum 1.3 P)

Note-6 The solder melting point of thermoelectric module

Note-7 Recommended max. compression (not destruction limit)

## Specification Table:

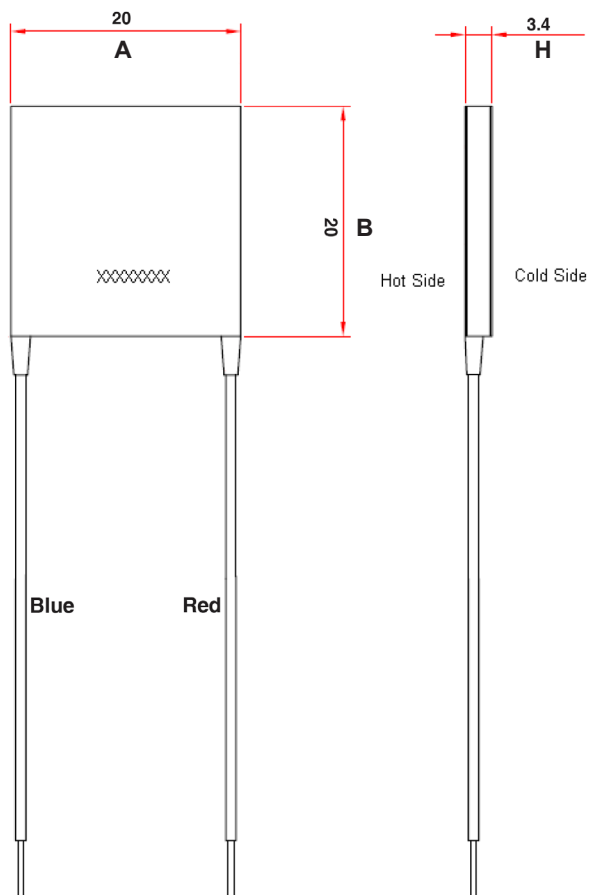
Thot = 27°C

I max. (A)	U max. (V)	Qc max. W	dT max. °C
8.5	3.8	18.8	70

The modules have specification of -40°C to +100°C operation, and are silicone sealed for moisture protection

# Peltier Cooler

## Outline Drawing



Dimensions Table

A	B	H
20mm	20mm	3.4mm

Part Number Table

Description	Part Number
Peltier Cooler, 18.8 W	MCPE1-03108NC-S