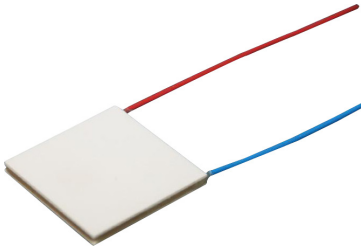


# Peltier Cooler



## Specification:

Parameters		Remarks
Internal Resistance	1.5Ω ±10%	Note-1
I Max.	8.5A	Note-2
V Max.	15.7V	Note-3
-	Th = 27°C   Th = 50°C	-
Q Max.	15.7 W   85 W	Note-4
ΔT 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 ΔT = 0°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)

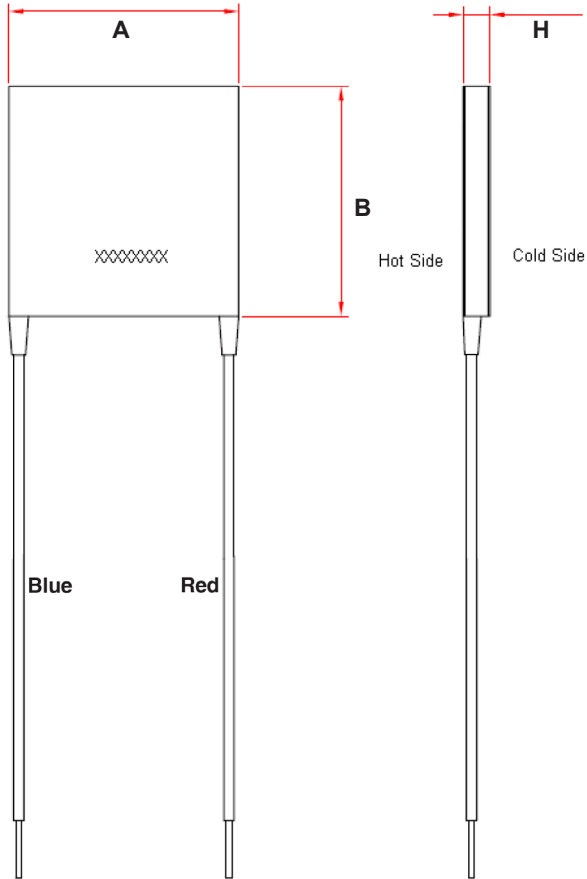
## Recommendations:

- Operating range : -40°C to +100°C
- Dropping or exerting mechanical shock will cause breakage, take care in handling
- Thinly spread thermally conductive grease should be placed between module and heat exchanger
- Surface deviation from flatness should be kept under 0.02 mm
- For optimum reliability and performance it is recommended that the module be utilised <0.7 I maximum

## Specification Table: T<sub>hot</sub> = 27°C

I max. (A)	U max. (V)	Qc max. W	dT max. °C
8.5	15.7	77.1	70

## Outline Drawing



Dimensions Table

A	B	H
40mm	40mm	3.45mm

## Part Number Table

Description	Part Number
Peltier Cooler, 77.1W	MCPE1-12708AC-S

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