

Specification:

Parameters		Remarks
Internal Resistance	1.65Ω ±10%	Note-1
I Max.	8.5A	Note-2
U Max.	16.1V	Note-3
-	Th = 27°C	-
Qc Max.	51.6W	Note-4
ΔT Max.	85°C	Note-5
Solder melting point	235°C	Note-6
Max. compress	1MPa	Note-7
Operating Temperature	-40°C to +100°C	
External Depth	3.4mm	
External Length / Height	15mm	

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

Note-2 Max. current at ΔT Max.

Note-3 Max. voltage at ΔT 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:

The module is high performance double stage modules, silicone sealed for moisture protection, for applications where high cooling capacity is needed at high operation temperature

Recommended operation temperature up to 90°C for long life.

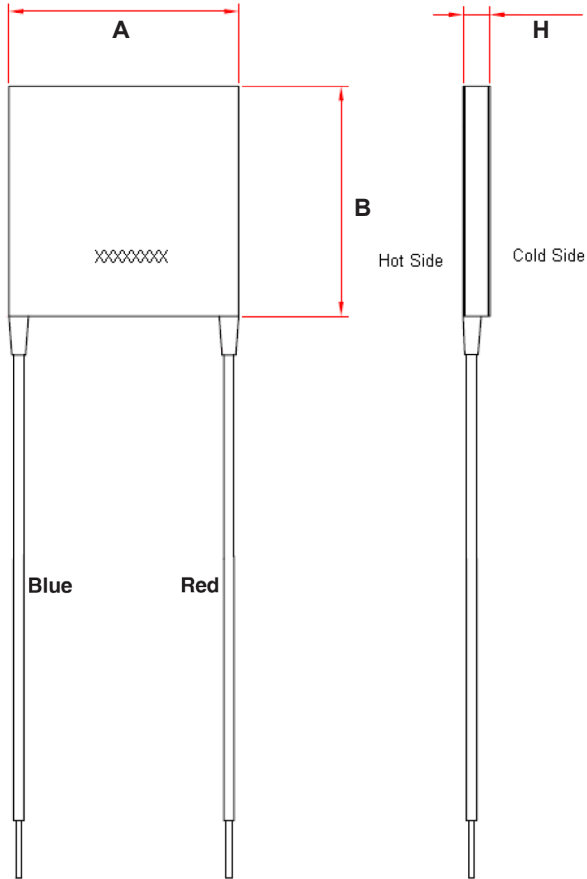
Recommended operating current 0.7 I max for long life.

Specification Table:

T_{hot} = 27°C

I max. (A)	U max. (V)	Qc max. W	dT max. °C
8.5	16.1	51.6	85

Outline Drawing



Dimensions Table

A	B	H
40mm	40mm	7.05mm

Part Number Table

Description	Part Number
Peltier Cooler, 51.6W	MCPK2-19808AC-S

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