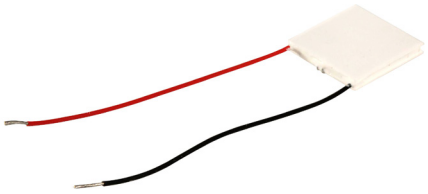
Thermoelectric Module

multicomp PRO

RoHS Compliant



Scope

This specification is applied to thermoelectric modules
Revision of these specifications is carried out after consent

Specifications

Parameters			Remarks
Internal Resistance	5Ω ±10%		Note-1
I max.	2.8A		Note-2
V max.	15.7V		Note-3
-	Th = 27°C	Th = 50°C	-
Q max.	8.7 W	9.6 W	Note-4
ΔT max.	95°C	105°C	Note-5
Solder melting point			Note-6
Maximum compress			Note-7

Note-1 : Measured by AC 4 - terminal method at 25°C
Note-2 : Maximum current at ΔT max.
Note-3 : Maximum voltage at ΔT max.
Note-4 : Maximum cooling capacity at I max. V max. and ΔT = 0°C
Note-5 : Maximum temperature difference at I max. V max. and Q = 0 W
(Maximum parameters are measured in a vacuum 1.3 P)
Note-6 : The solder melting point of thermoelectric module
Note-7 : Recommended maximum compression (not destruction limit)

Specification Table

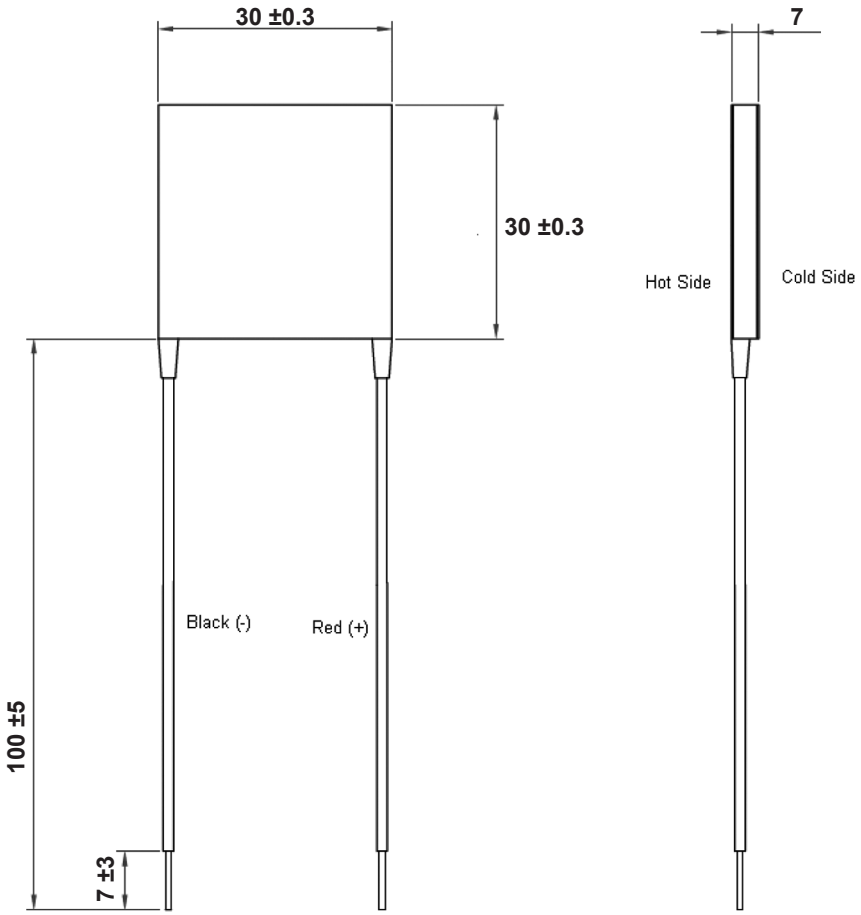
Thot = 27°C

I max. (A)	U max. (V)	Qc max. W	dT max. °C	A	B	H	Part Number
2.8	-	8.7	95	30	30	7	MCPK2-15828NC-S

Dimensions : Millimetres

PK2 Modules are 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

Diagram



Part Number Table

Description	Part Number
Thermoelectric Peltier Cooler Module, Double Stage, 8.7W, 2.8A	MCPK2-15828NC-S

Dimensions : Millimetres

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