Thermoelectric Module



Scope

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

Specifications

Para	Remarks		
Internal resistance	3.5 Ω	Note-1	
I max.	3.9	Note-2	
V max.	15.	Note-3	
-	Th = 25°C	-	-
Q max.	37 W -		Note-4
∆T max. 73°C		-	Note-5
Solder melting point	232	Note-6	
Maximum compress	1 M	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)

Recommendations:

Maximum temperature for short time: 200°C

Operation temperature up to 150°C for long lifetime;

Long lifetime in power cycling mode with polarity change

Recommended operation current not higher than 0.7 of I max.

Preferable application; thermal management / cycling at high temperatures

E modules are epoxy sealed for moisture protection

Specification Tabl	е т
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I max. (A)	U max. (V)	Qc max. W	dT max. °C	Α	В	Н	Part Number
3.9	15.7	37.6	73	40	40	4.8	MCPF-127-14-25-E

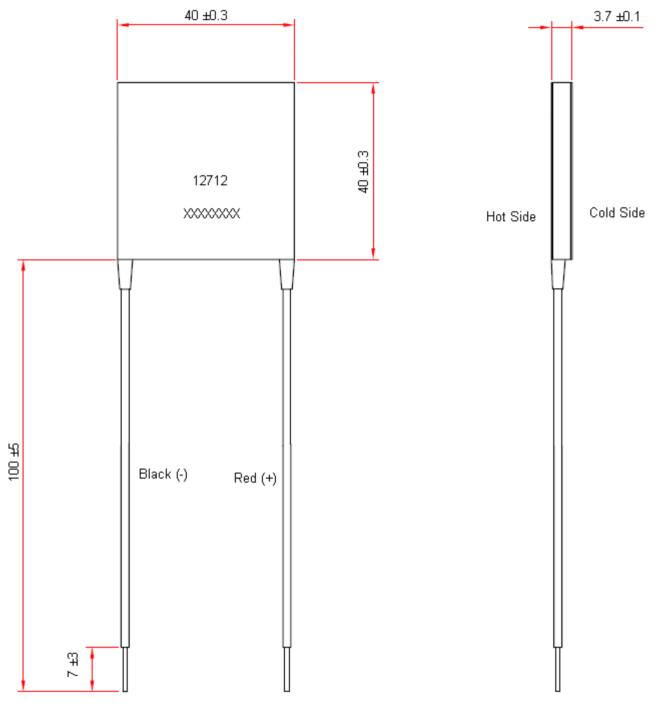
Dimensions : Millimetres



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Outline Drawing

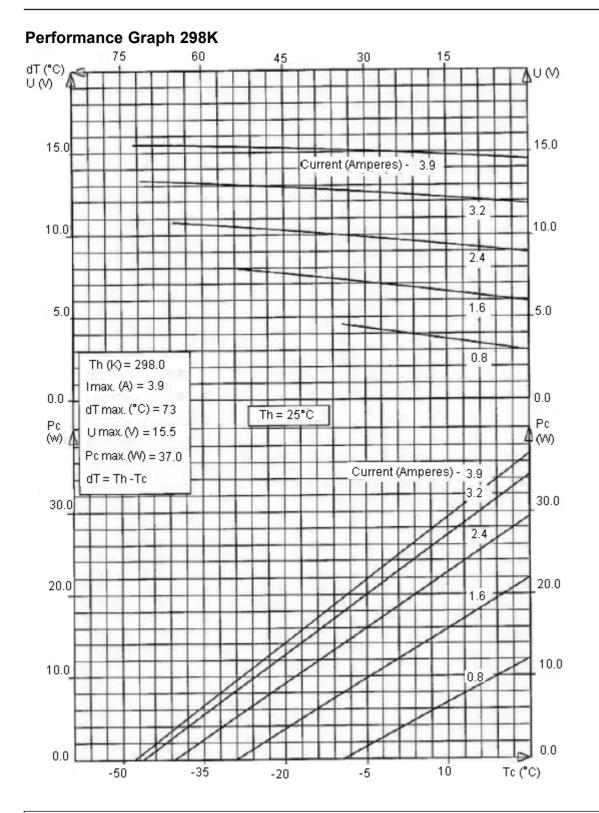


Dimensions : Millimetres



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