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	2.3 Ω	Note-1	
I max.	6	Note-2	
V max.	15.	Note-3	
-	Th = 25°C	-	-
Q max.	56.7 W	-	Note-4
ΔT max.	69°C	-	Note-5
Solder melting point	138	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 $\Delta T = 0^{\circ}C$

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

High cooling capacity from a small surface and long lifetime in power cycling applications with change of current polarity Operation temperature up to 90°C for long lifetime; up to 110°C for short periods

With operation current close to 0.5 I max. extremely high COP (coefficient of performance possible)

Preferable application; high cooling capacity at high temperatures / cycling

Thot = 27°C

Epoxy sealed for moisture protection

Specification	Table
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I max. (A)	U max. (V)	Qc max. W	dT max. °C	Α	В	Н	Part Number
6	15.7	55	69	30	30	3.1	MCHPE-127-10-08-E

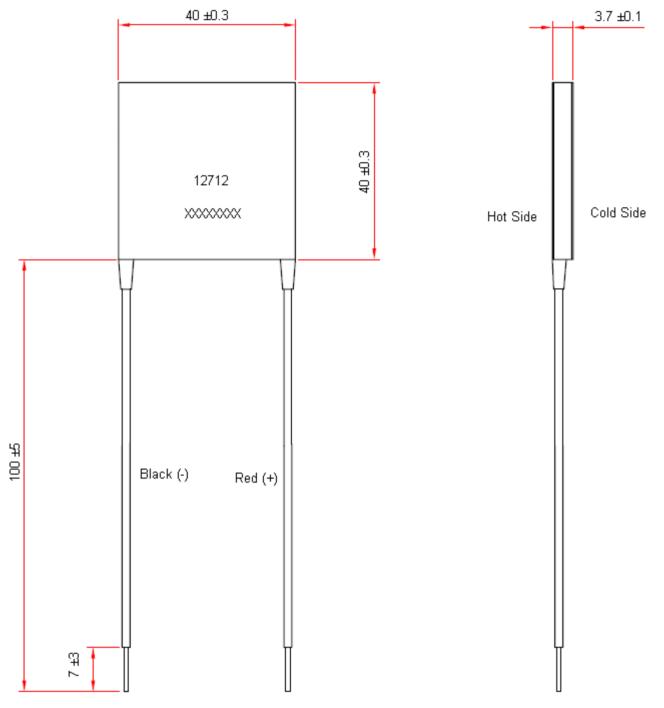
Dimensions : Millimetres



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Outline Drawing

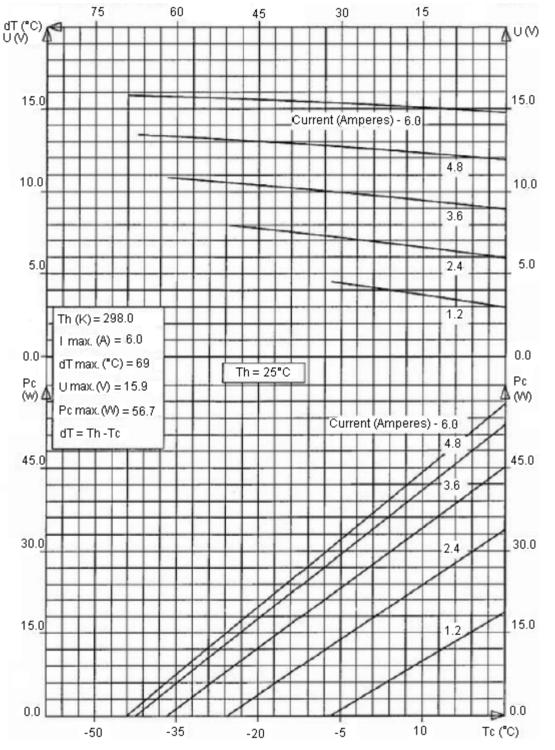


Dimensions : Millimetres



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