

Scope

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

Specifications

Para	Remarks		
Internal resistance	1.59 Ω	Note-1	
I max.	8.5	Note-2	
V max.	15.	Note-3	
-	Th = 25°C	-	-
Q max.	79 W	-	Note-4
ΔT max.	70°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 Table That = 27°C

I max. (A)	U max. (V)	Qc max. W	dT max. °C	Α	В	н	Part Number
8.5	15.7	79	70	40	40	3.8	MCPF-127-14-11-E

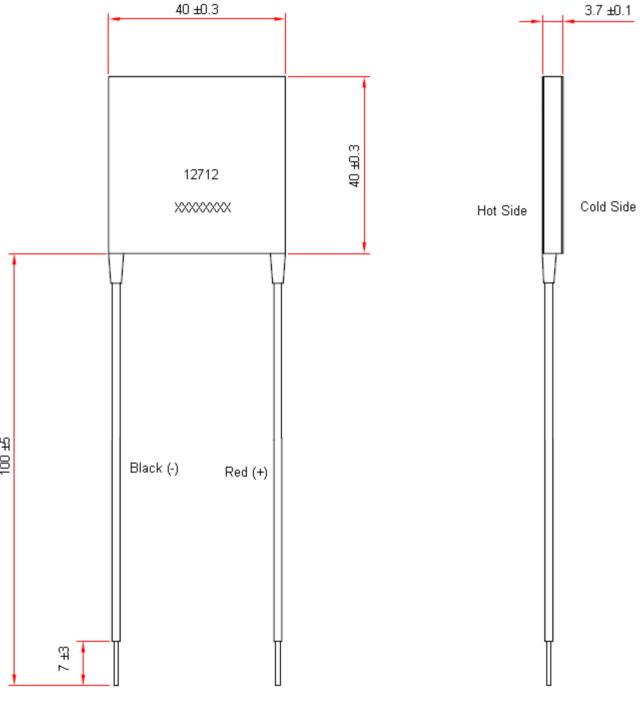
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Dimensions : Millimetres





Outline Drawing

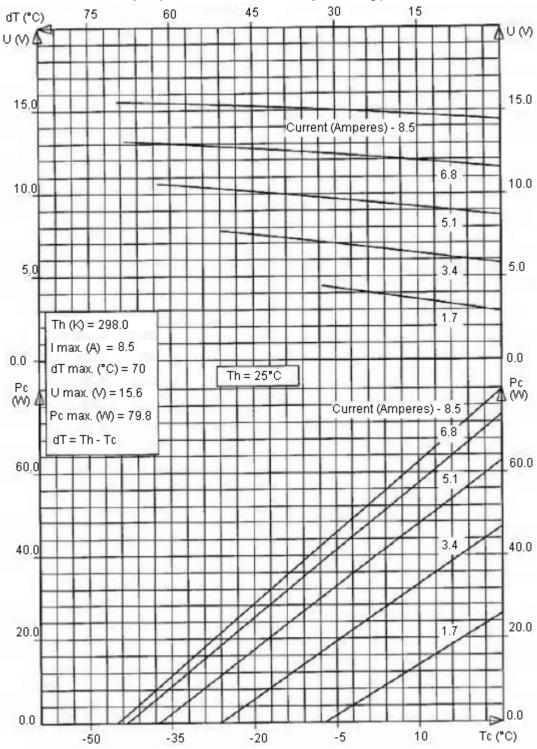


Dimensions : Millimetres



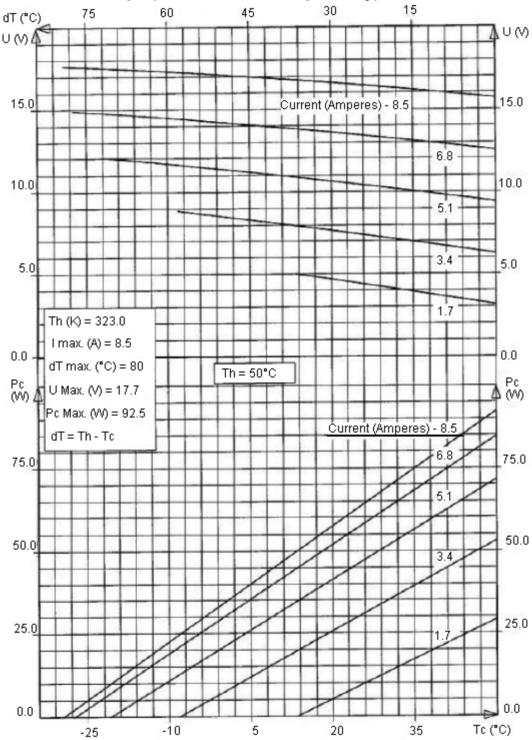


Performance Graph (298K and 323K Respectively)





Performance Graph (298K and 323K Respectively)



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