

Scope

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

Specifications

Para	Remarks		
Internal resistance	0.86 Ω	Note-1	
I max.	8.5	Note-2	
V max.	8.8	Note-3	
-	Th = 25°C	-	-
Q max.	44 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 $\Delta T = 0$ °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;

ON / OFF cycling mode reliability at high temperature

Recommended operation current not higher than 0.7 of I max.

Preferable application; thermal management

E modules are epoxy sealed for moisture protection

Specification Table Thot = 27°C

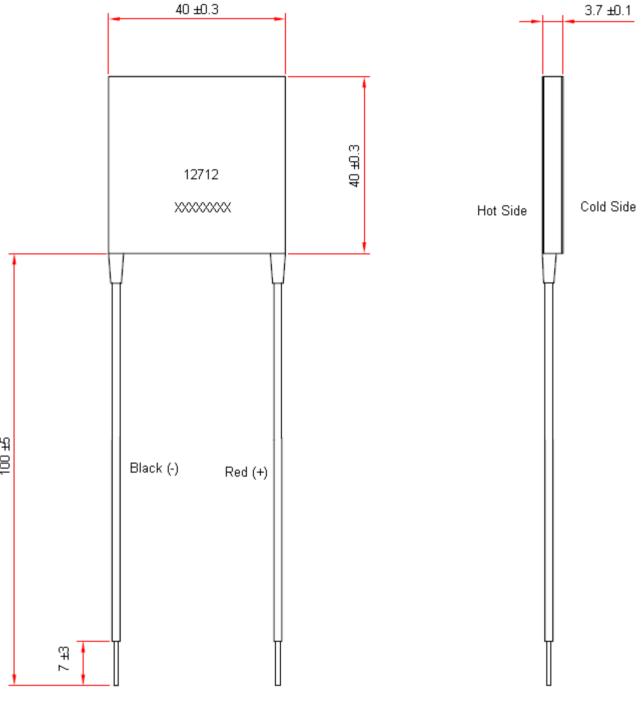
I max. (A)	U max. (V)	Qc max. W	dT max. °C	A	В	н	Part Number
8.5	8.8	44	70	30	30	3.8	MCPF-071-14-11

Dimensions : Millimetres





Outline Drawing

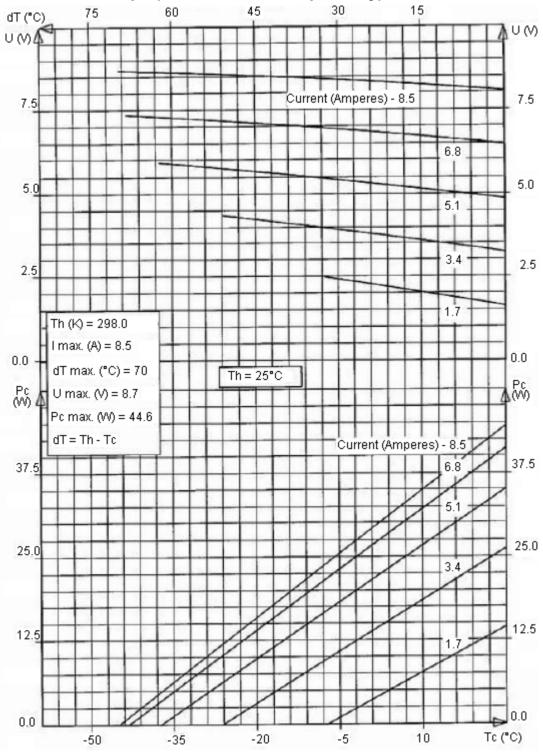


Dimensions : Millimetres





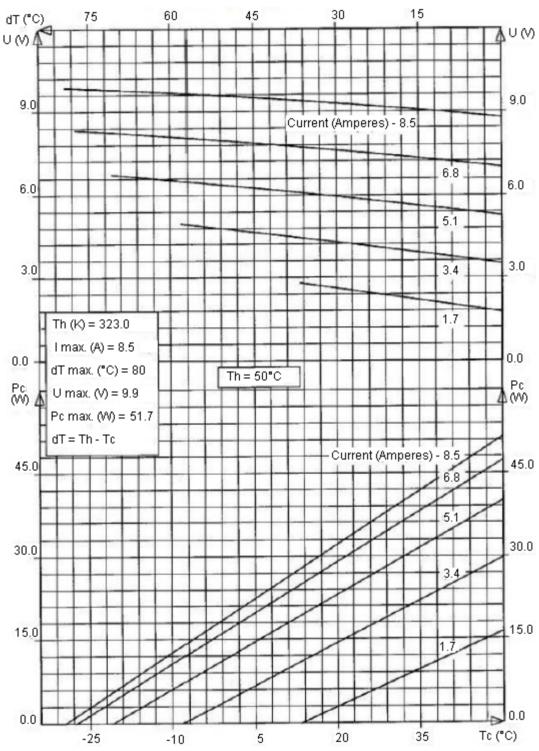
Performance Graph (298K and 323K Respectively)



04/11/11 V1.1



Performance Graph (298K and 323K Respectively)



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