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	6.8 Ω	Note-1	
I max.	3.9	Note-2	
V max.	29.	Note-3	
-	Th = 25°C	-	-
Q max.	71.8 W	-	Note-4
∆T max.	74°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 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 : 110°C Operation temperature up to 90°C for long lifetime Good reliability in ON-OFF mode Recommended operation current not higher than 0.7 of I max.

Specification Table Thot = 27°C

I max. (A)	U max. (V)	Qc max. W	dT max. °C	Α	В	н	Part Number
3.9	29.8	71.8	74	40	40	3.6	MCPE-241-10-13

Dimensions : Millimetres

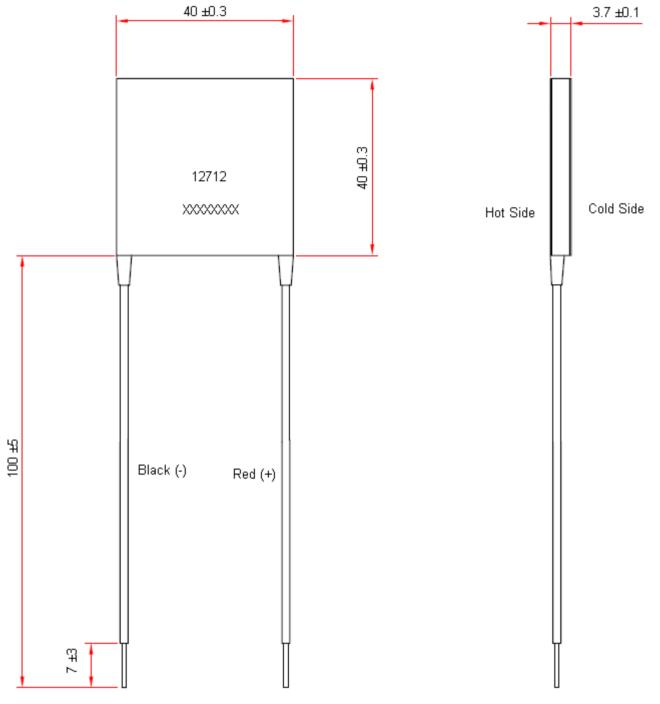




Thermoelectric Module



Outline Drawing

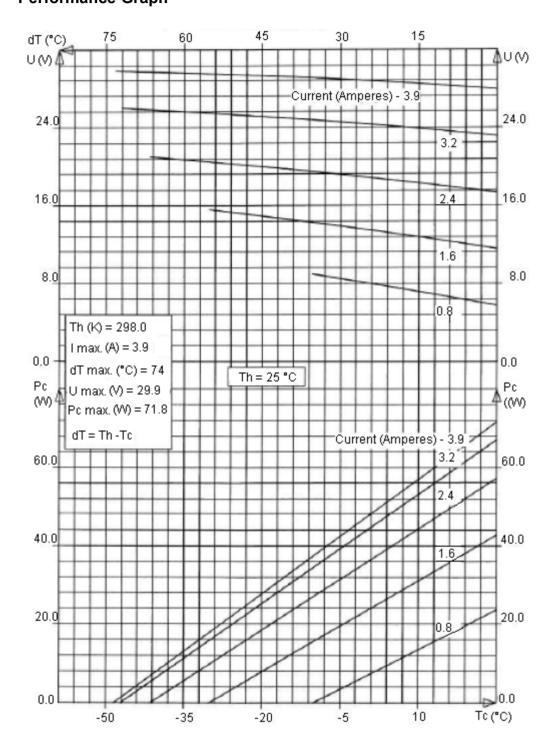


Dimensions : Millimetres



Thermoelectric Module

Performance Graph



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