

Scope

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

Specifications

Para	Remarks		
Internal resistance	0.85 Ω	Note-1	
I max.	15.	Note-2	
V max.	15.	Note-3	
-	Th = 25°C	-	-
Q max.	150 W	-	Note-4
ΔT max.	68°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

Epoxy sealed for moisture protection

Specification TableThot = 27°C								
I max. (A)	U max. (V)	Qc max. W	dT max. °C	Α	В	Н	Part Number	
15.4	15.7	150	68	30	30	3.8	MCHPE-127-14-06-E	

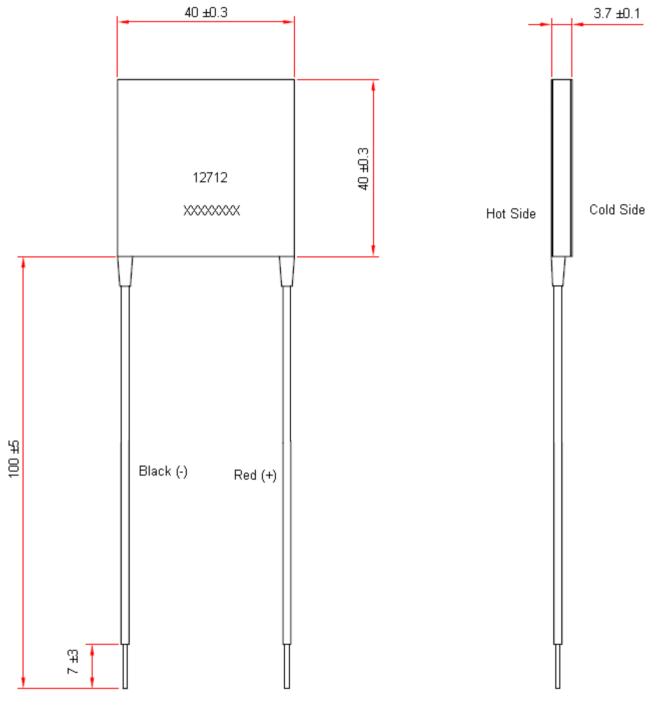
Dimensions : Millimetres







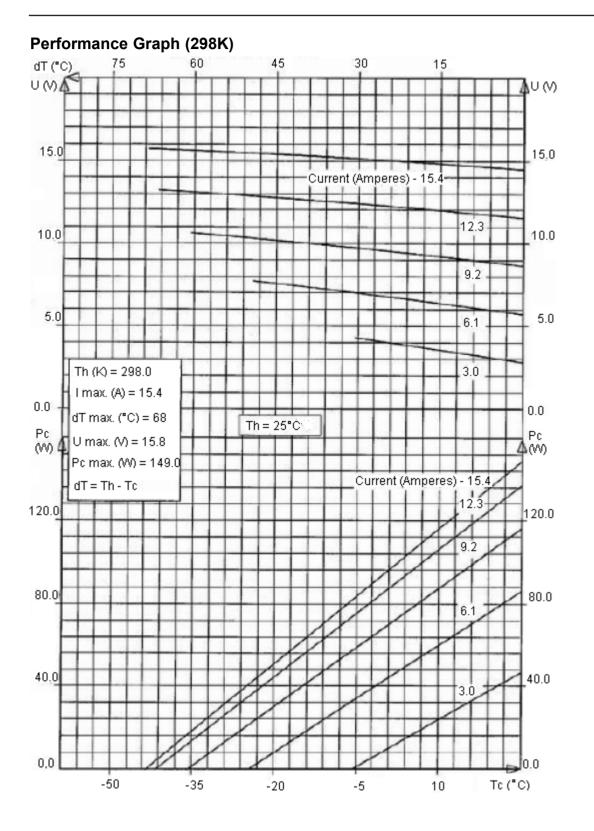
Outline Drawing



Dimensions : Millimetres





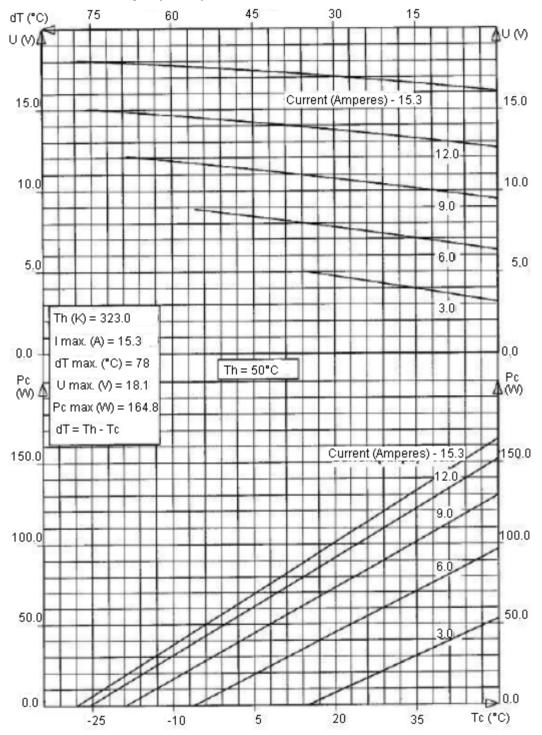


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Performance Graph (323K)



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