

Scope

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

Specifications

Parameters		Remarks
Internal resistance	6.8Ω ± 10%	Note-1
I _{max.}	3.9A	Note-2
V _{max.}	29.9V	Note-3
-	Th=25°C	-
Q max.	71.8W	Note-4
ΔT _{max.}	74°C	Note-5
Solder Melting Point	138°C	Note-6
Max. Compress	1MPa	Note-7

Note-1 Measured by AC 4-terminal method at 25°C

Note-2 Max. current at ΔT_{max}

Note-3 Max. voltage at ΔT_{max}

Note-4 Max. cooling capacity at I_{max.}, V_{max.} and ΔT=0°C

Note-5 Max. temperature difference at I_{max.}, V_{max.} and Q=0W
(Max. parameters are measured in a vacuum 1.3P)

Note-6 The solder melting point of thermoelectric module

Note-7 Recommended Max. 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

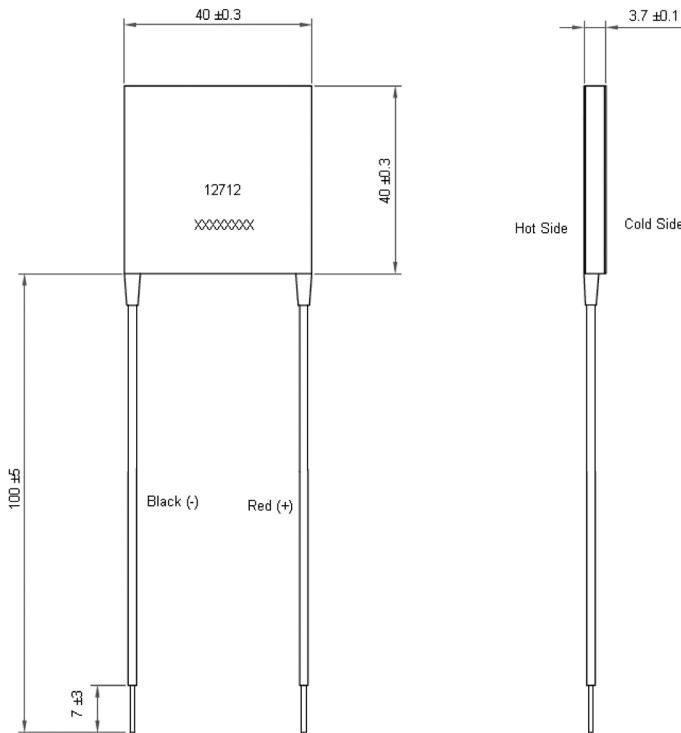
Recommended operation current not higher than 0.7 of I_{max.}

Specification Table

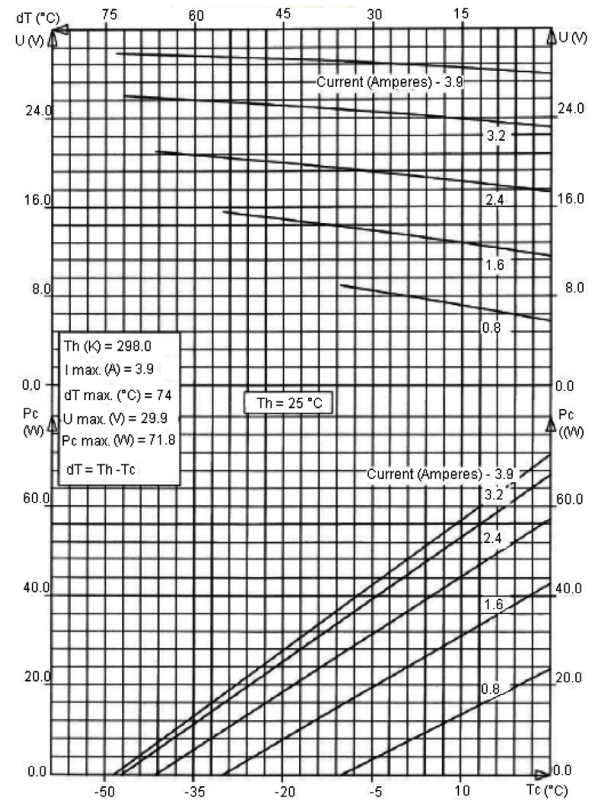
Thot = 27°C

I Max. (A)	U Max. (V)	Qc Max. W	dT Max. °C
3.9	29.8	71.8	74

Diagram



Performance Graph



Dimensions : Millimetres

Part Number Table

Description	Part Number
Peltier Cooler, 71.8W	MCPE-241-10-13

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