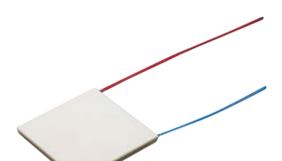
Thermoelectric Module





RoHS Compliant

Scope:

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

Specifications:

Par	Remarks		
Internal Resistance	3.5Ω	Note-1	
I max.	3.9	Note-2	
V max.	15.	Note-3	
-	Th = 27°C	Th = 50°C	-
Q max.	35.2W	39W	Note-4
ΔT max.	70°C	77°C	Note-5
Solder Melting Point	235	Note-6	
Maximum Compress	1M	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 = 0W (Max. parameters are measured in a vacuum 1.3P)

Note-6: The solder melting point of thermoelectric module

Note-7: Recommended maximum compression (not destruction limit)



Thermoelectric Module



Recommendations:

Operating Range: -40°C to +100°C

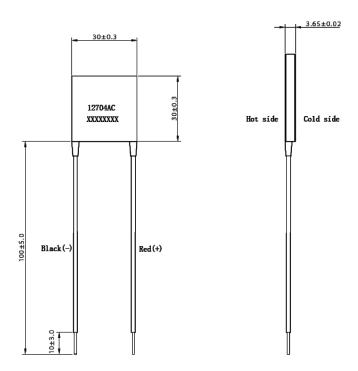
Dropping or exerting mechanical shock will cause breakage, take care in handling

Thinly spread thermally conductive grease should be placed between module and heat exchanger

Surface deviation from flatness should be kept under 0.02mm

For optimum reliability and performance it is recommended that the module be utilised < 0.7 I max.

Silicone sealed for moisture protection



Dimensions: Millimetres

Part Number Table

Description	I max. (A)	U max. (V)	Qc max. W	dT max. °C	Part Number
Thermoelectric Module	3.9	15.7	35.2	70	MCPE1-12704AC-S

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