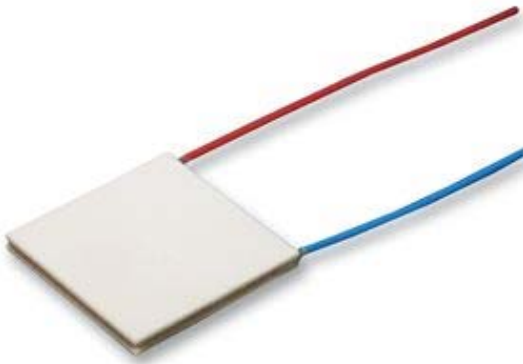


Peltier Cooler



Specification Table

Parameters		Remarks
Internal Resistance	2.2 Ω \pm 10%	Note-1
I Maximum	6 A	Note-2
V Maximum	15.7 V	Note-3
-	Th = 27°C Th = 50°C	-
Q Maximum	55.6 W 61 W	Note-4
Δ T Maximum	70°C 77°C	Note-5
solder Melting Point	235°C	Note-6
Maximum Compress	1 MPa	Note-7

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

Note-2 Maximum current at Δ T Maximum

Note-3 Maximum voltage at Δ T Maximum

Note-4 Maximum cooling capacity at I maximum, V maximum and Δ T = 0°C

Note-5 Maximum temperature difference at I maximum, V maximum 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:

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 0.02 mm

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

Part Number Table

Description	Part Number
Peltier Cooler, 55.6 W	MCPE1-12707AC-S

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