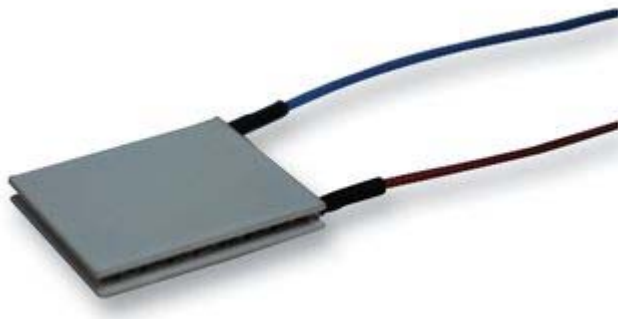


Peltier Cooler



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 = 25°C	-	-
Q Maximum	57 W	-	Note-4
Δ T Maximum	72°C	-	Note-5
solder Melting Point	232°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:

Maximum temperature for short time : 200°C

Operation temperature up to 150°C for long lifetime;

Long lifetime in power cycling mode with polarity change

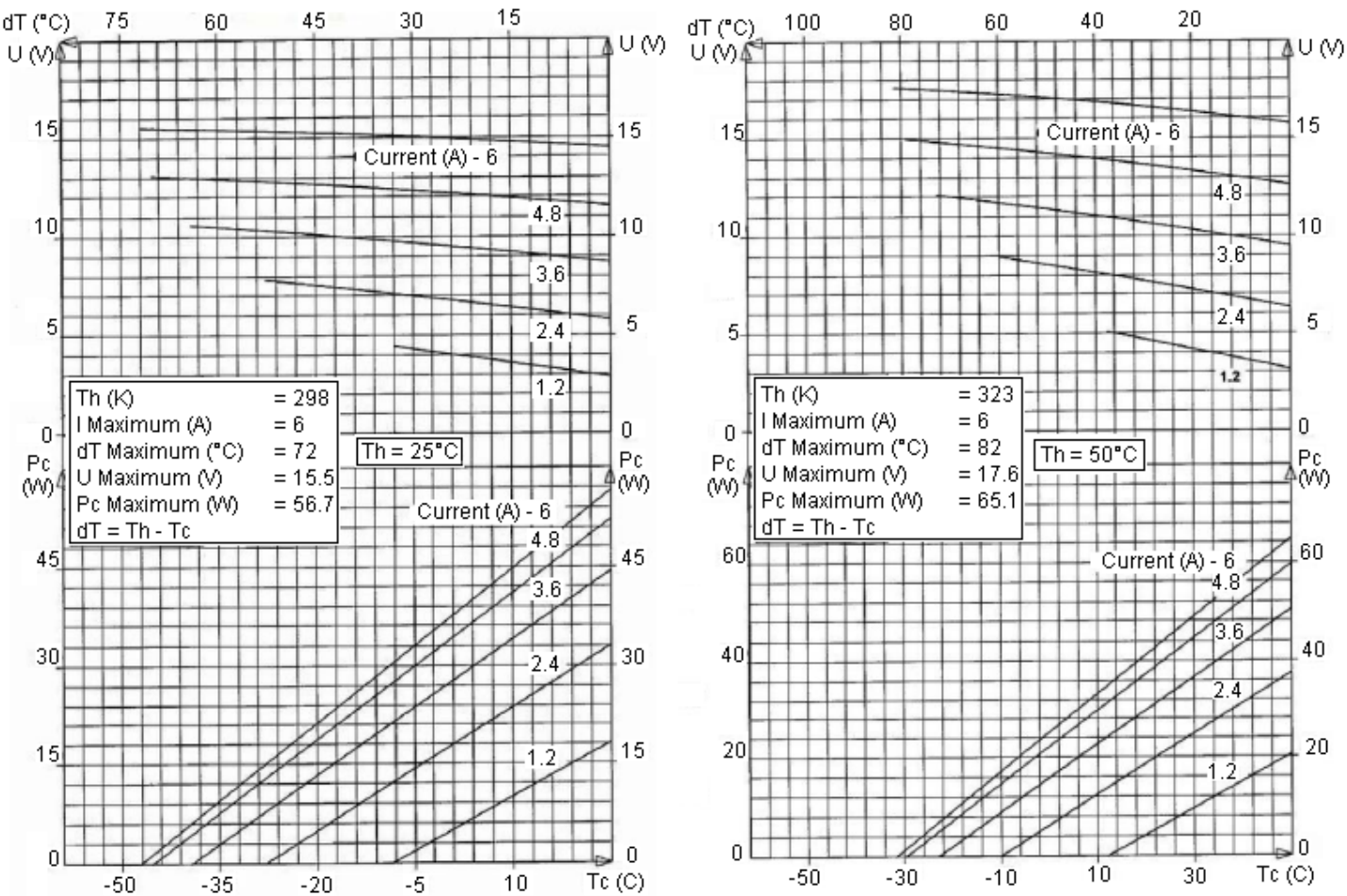
Recommended operation current not higher than 0.7 of I maximum

Preferable application; thermal management / cycling at high temperatures

Peltier Cooler



Performance Graph (298 K and 323 K Respectively)



Part Number Table

Description	Part Number
Peltier Cooler, 57.9 W	MCPF-127-14-16-E

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