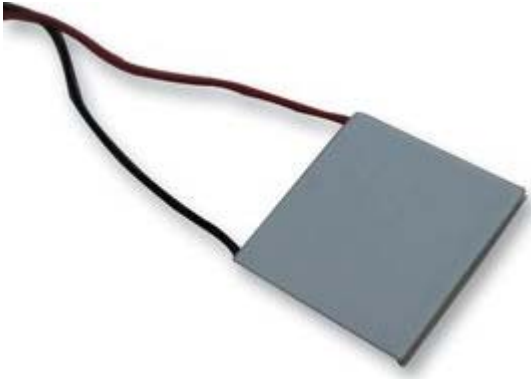


# Peltier Cooler



## Specification Table

Parameters		Remarks
Internal Resistance	2.05 $\Omega$ $\pm$ 10%	Note-1
I Maximum	3.9 A	Note-2
V Maximum	8.8 V	Note-3
-	Th = 25°C	-
Q Maximum	18.5 W	Note-4
$\Delta$ T Maximum	72°C	Note-5
Solder Melting Point	138°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  $\Delta$ T Maximum

Note-3 Maximum voltage at  $\Delta$ T Maximum

Note-4 Maximum cooling capacity at I maximum, V maximum and  $\Delta$ 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 : 110°C

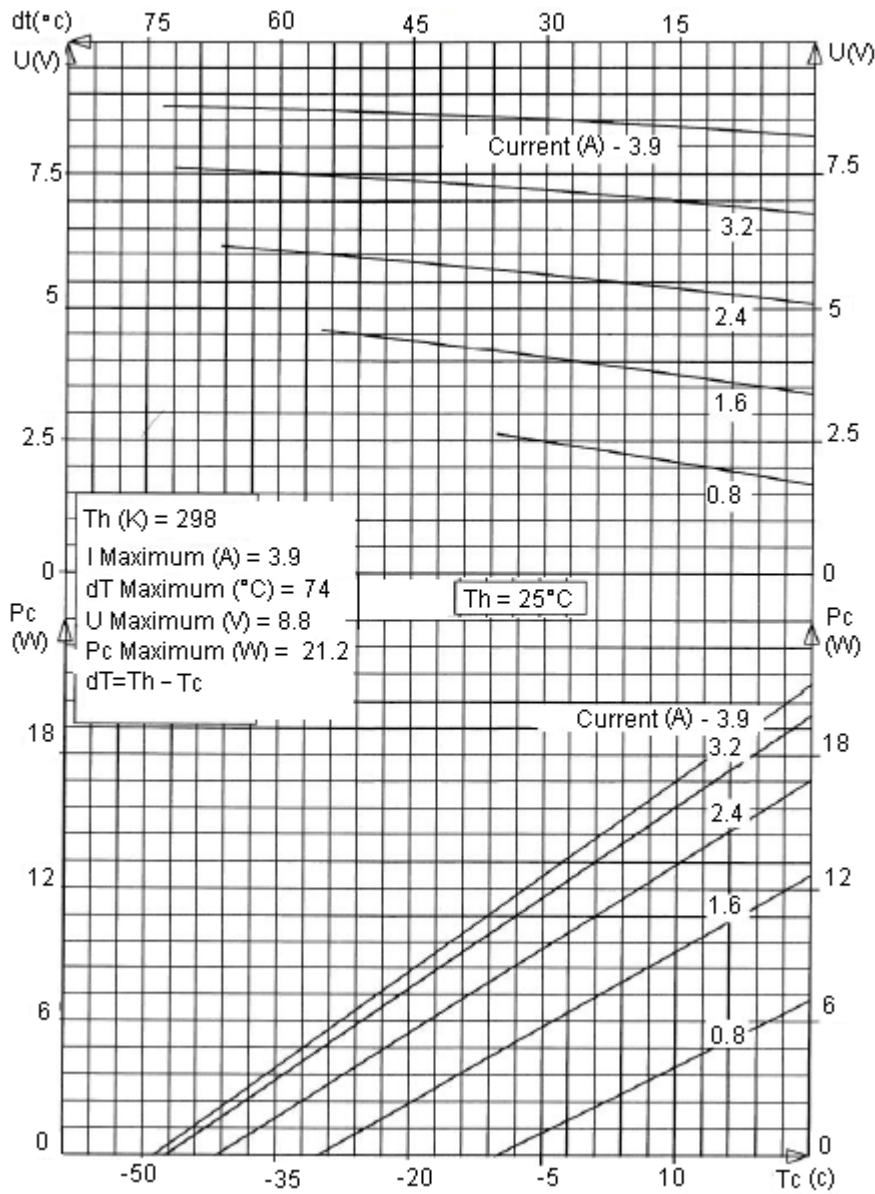
Operation temperature up to 90°C for long lifetime;

Good reliability in ON-OFF mode

Recommended operation current not higher than 0.7 of I maximum

# Peltier Cooler

## Performance Graph



## Part Number Table

Description	Part Number
Peltier Cooler, 19.1 W	MCPE-071-10-13

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