

Specifications:

Parameters		Remarks
Internal Resistance	2.05 Ω \pm 10%	Note-1
I Maximum	3.9A	Note-2
V Maximum	8.8V	Note-3
-	Th = 25°C	-
Q Maximum	18.5W	Note-4
Δ 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 Δ T max.

Note-3 : Maximum voltage at Δ T max.

Note-4 : Maximum cooling capacity at I max. V max. and Δ T = 0°C

Note-5 : Maximum temperature difference at I max. V max. 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:

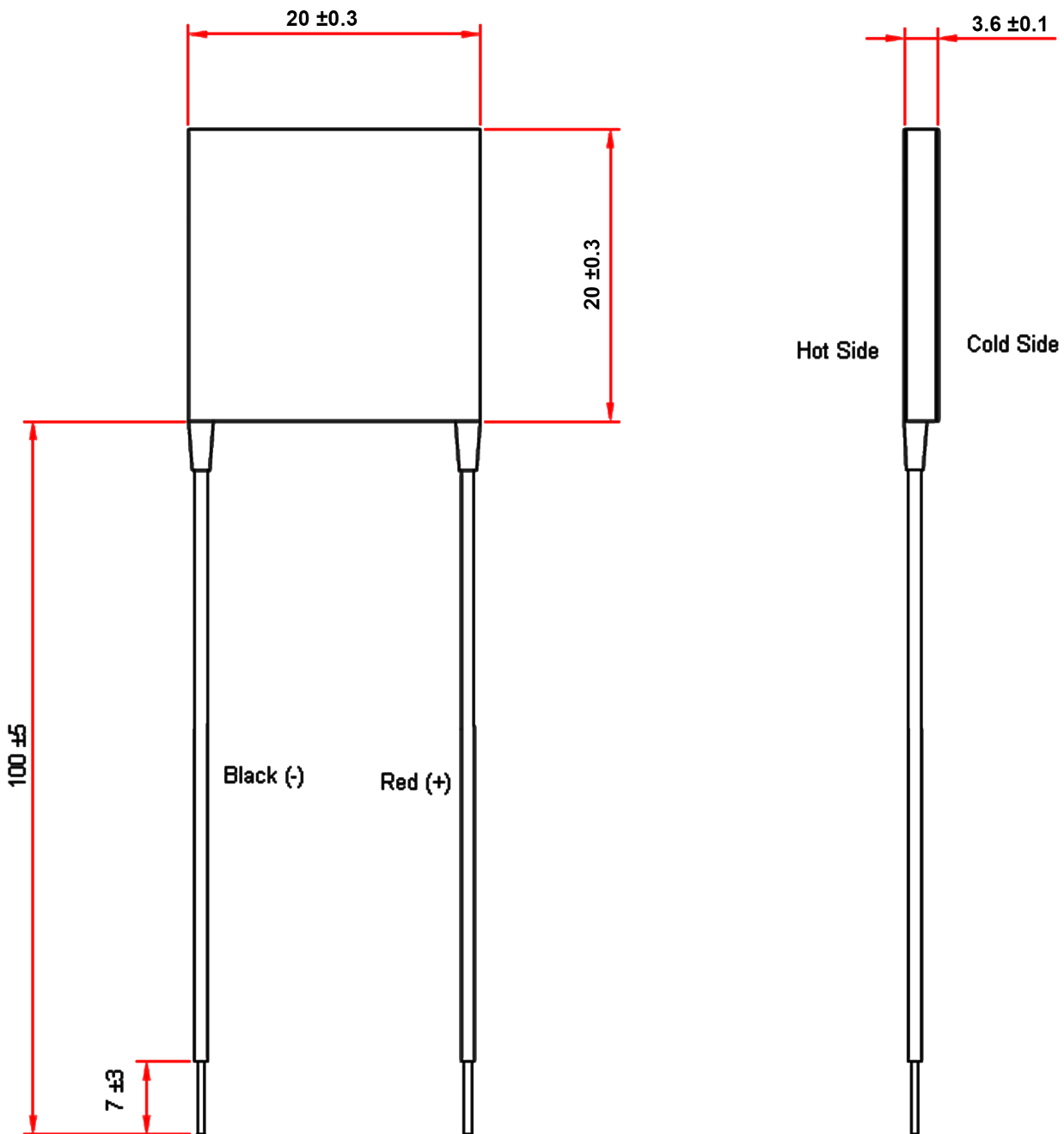
Maximum temperature for short time : 110°C

Operation temperature up to 90°C for long lifetime;

Good reliability in ON-OFF mode

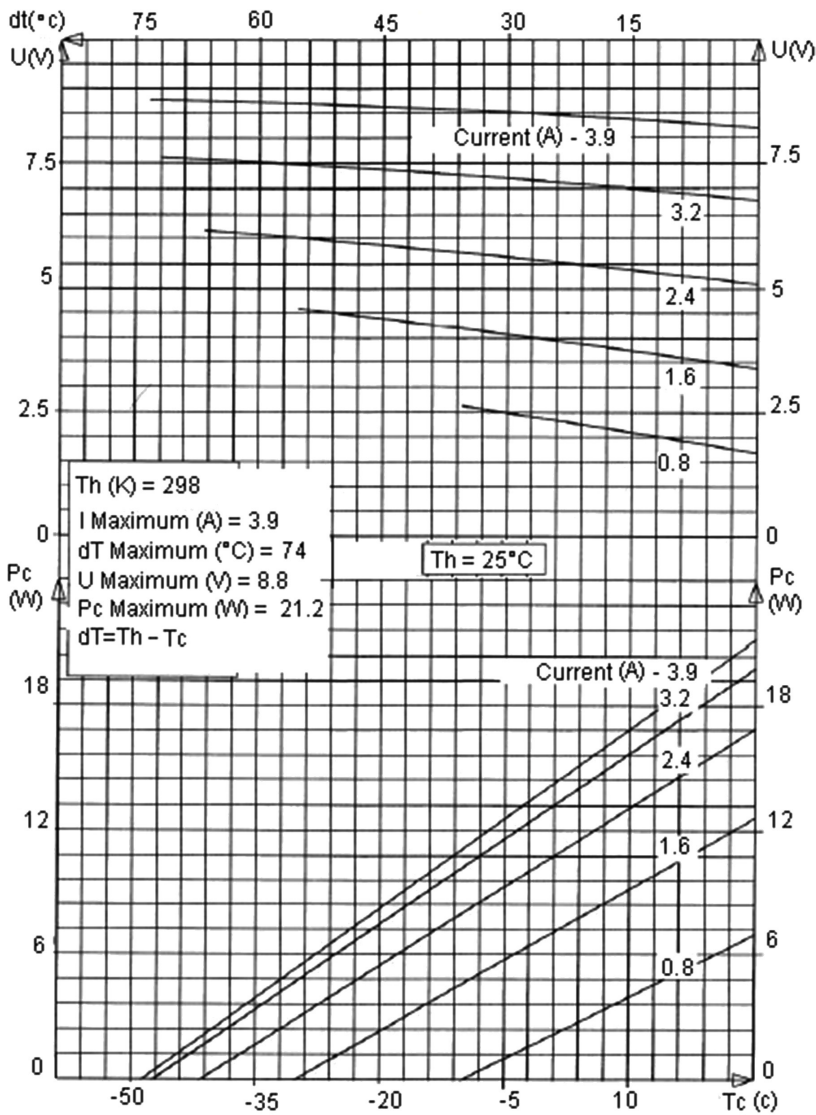
Recommended operation current not higher than 0.7 of I maximum

Outline Drawing



Dimensions : Millimetres

Performance Graph



Part Number Table

Description	I Max. (A)	U Max. (V)	Qc Max. W	dT Max. °C	A	B	H	Part Number
Peltier Cooler, 19.1 W	3.9	8.8	19.1	74	20	20	3.6	MCPE-071-10-13

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