Peltier Cooler

multicomp



Specifications:

Paran	Remarks				
Internal Resistance	2.05 Ω	2 ±10%	Note-1		
I Maximum	3.	9A	Note-2		
V Maximum	8.8	8V	Note-3		
-	Th = 25°C	-	-		
Q Maximum	18.5W	-	Note-4		
ΔT Maximum	72°C	-	Note-5		
Solder Melting Point	138	3°C	Note-6		
Maximum Compress	1 N	1Pa	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 $\Delta T = 0^{\circ}C$

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





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Outline Drawing



Dimensions : Millimetres





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Performance Graph



Part Number Table

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



