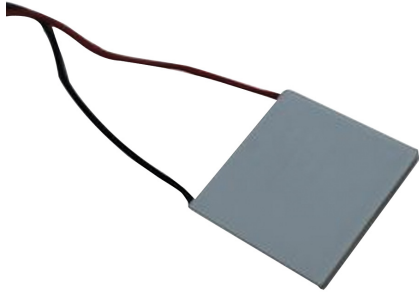


# Peltier Cooler - 7.5W

multicomp<sup>PRO</sup>



## Features:

Transducer Function: Thermoelectric modules

## Specifications:

Parameters		Remarks
Internal resistance	1.03Ω ± 10%	Note-1
I <sub>max.</sub>	3.2A	Note-2
V <sub>max.</sub>	3.8V	Note-3
	Th=25°C	
Q <sub>max.</sub>	7.3W	Note-4
ΔT <sub>max.</sub>	72°C	Note-5
Solder Melting Point	138°C	Note-6
Max. Compress	1MPa	Note-7
Operating Temperature	-90°C to +110°C	
External Depth	3.8mm	
External Length / Height	15mm	

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

**Note-2** Max. current at ΔT<sub>max</sub>

**Note-3** Max. voltage at ΔT<sub>max</sub>

**Note-4** Max. cooling capacity at I<sub>max.</sub>, V<sub>max.</sub> and ΔT=0°C

**Note-5** Max. temperature difference at I<sub>max.</sub>, V<sub>max.</sub> and Q=0W  
(Max. parameters are measured in a vacuum 1.3P)

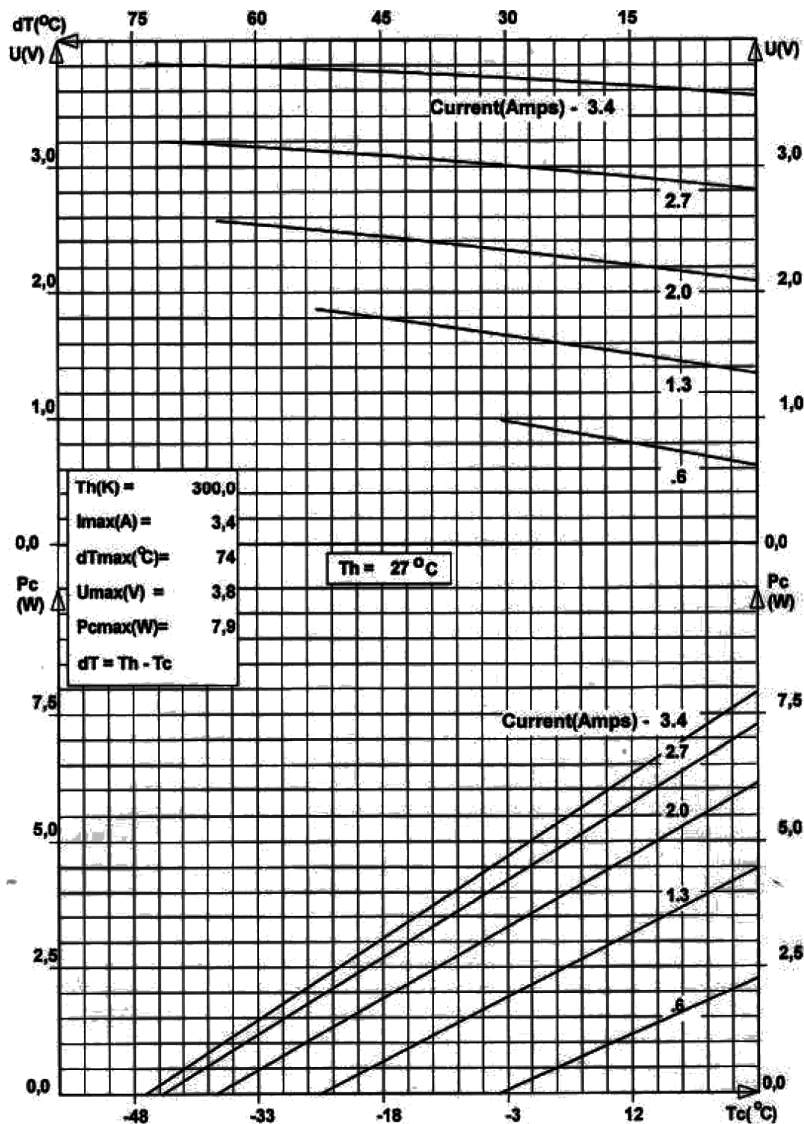
**Note-6** The solder melting point of thermoelectric module

**Note-7** Recommended Max. compression (not destruction limit)

## Recommendations:

- Good reliability in ON-OFF mode
- Recommended operation current not higher than 0.7 of I<sub>max</sub>

## 2-3 Performance Graph



### Part Number Table

Description	Part Number
Peltier Cooler, 7.5W	MCPE-031-10-15

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