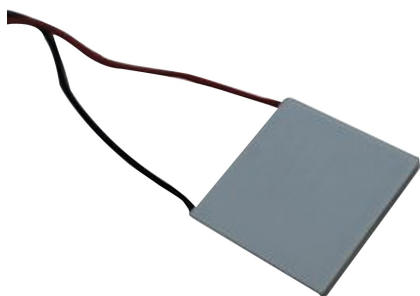


Peltier Cooler - 7.5W



Features:

Transducer Function: Thermoelectric modules

Specifications:

Parameters		Remarks
Internal resistance	1.03Ω ± 10%	Note-1
I _{max.}	3.2A	Note-2
V _{max.}	3.8V	Note-3
	Th=25°C	
Q _{max.}	7.3W	Note-4
ΔT _{max.}	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_{max}

Note-3 Max. voltage at ΔT_{max}

Note-4 Max. cooling capacity at I_{max.}, V_{max.} and ΔT=0°C

Note-5 Max. temperature difference at I_{max.}, V_{max.} and Q=0W
(Max. parameters are measured in a vacuum 1.3P)

Note-6 The solder melting point of thermoelectric module

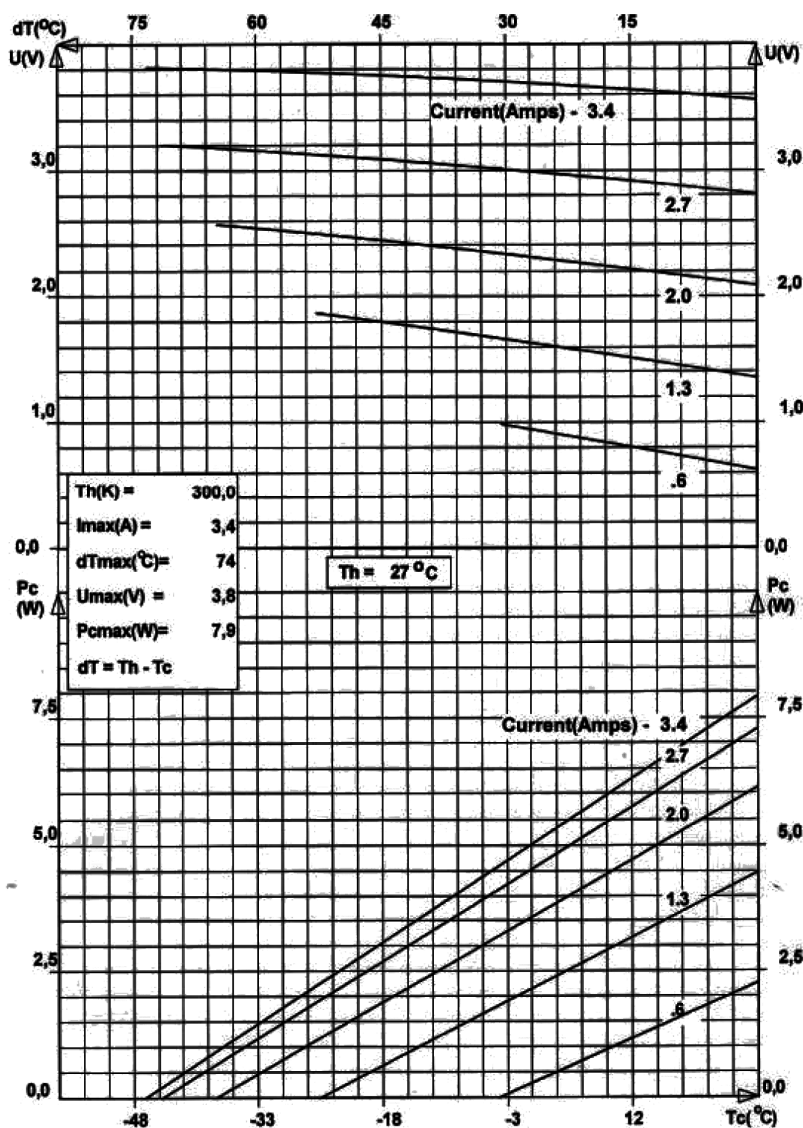
Note-7 Recommended Max. compression (not destruction limit)

Recommendations:

- Good reliability in ON-OFF mode
- Recommended operation current not higher than 0.7 of I_{max}

Peltier Cooler - 7.5W

2-3 Performance Graph



Part Number Table

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