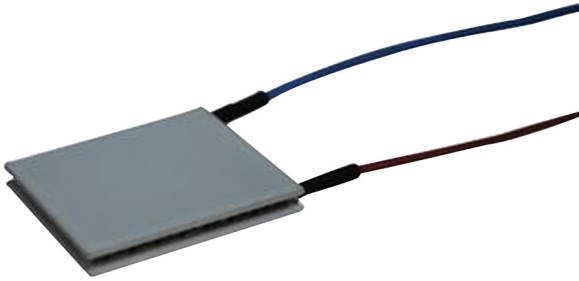


Peltier Cooler - 4.5W



Features:

Transducer Function: Thermoelectric modules

Specifications:

Parameters		Remarks
Internal resistance	1.76Ω ± 10%	Note-1
I _{max} .	2A	Note-2
V _{max} .	3.8V	Note-3
	Th=25°C	
Q _{max} .	4.4W	Note-4
ΔT _{max} .	73°C	Note-5
Solder Melting Point	232°C	Note-6
Max. Compress	1MPa	Note-7
Operating Temperature	-150°C to +200°C	
External Depth	4.8mm	
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)

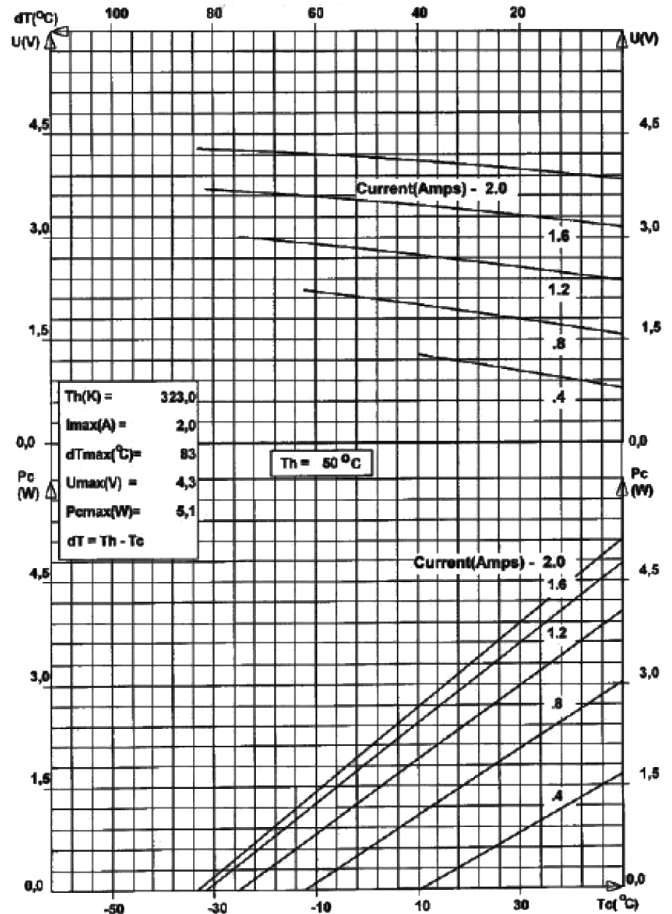
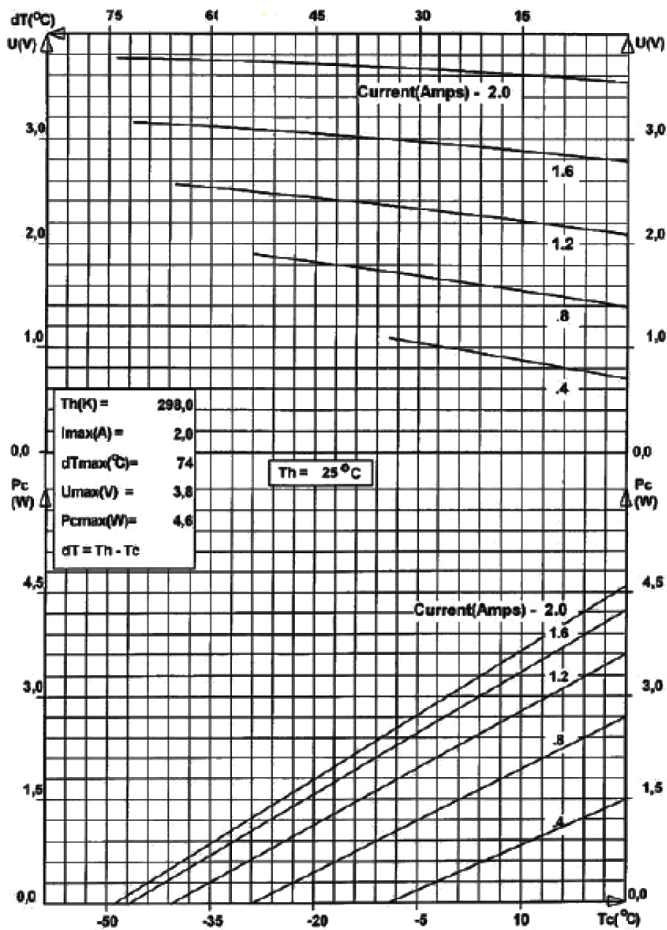
Recommendations:

- ON/OFF cycling mode reliability at high temperature
- Recommended operation current not higher than 0.7 of I_{max}
- Preferable application; thermal management

Peltier Cooler - 4.5W



2-3 Performance Graph (298K and 323K respectively)



Part Number Table

Description	Part Number
Peltier Cooler, 4.5W	MCPF-031-10-25

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