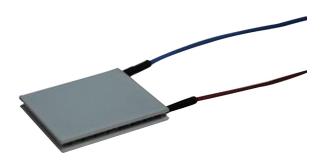
Peltier Cooler - 19W





Features:

Transducer Function: Thermoelectric modules

Specifications:

Parameters			Remarks
Internal resistance	$0.41\Omega \pm 10\%$		Note-1
lmax.	8.5A		Note-2
Vmax.	3.8V		Note-3
	Th=25°C		
Qmax.	19W		Note-4
⊿Tmax.	70 °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 ⊿Tmax

Note-3 Max. voltage at ⊿Tmax

Note-4 Max. cooling capacity at Imax., Vmax. and ⊿T=0°C

Note-5 Max. temperature difference at Imax., Vmax. 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:

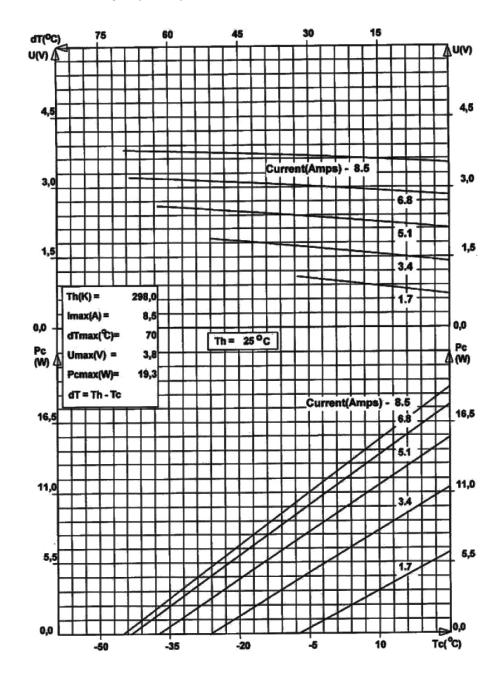
- · ON/OFF cycling mode reliability at high temperature
- Recommended operation current not higher than 0.7 of Imax
- Preferable application; thermal management



Peltier Cooler - 19W



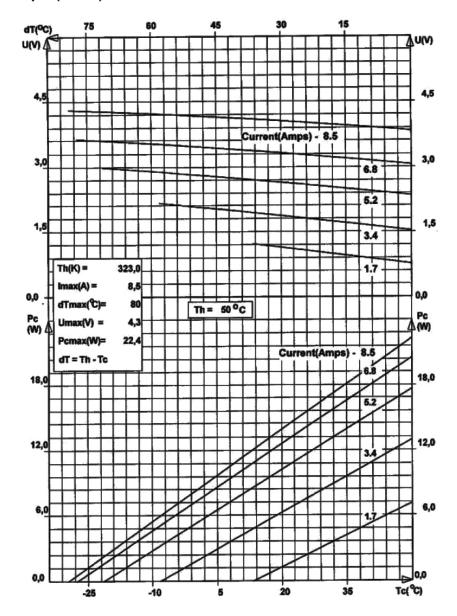
2-3 Performance Graph (298K)



Peltier Cooler - 19W



2-3 Performance Graph (323K)



Part Number Table

Description	Part Number	
Peltier Cooler, 19W	MCPF-031-14-11	

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