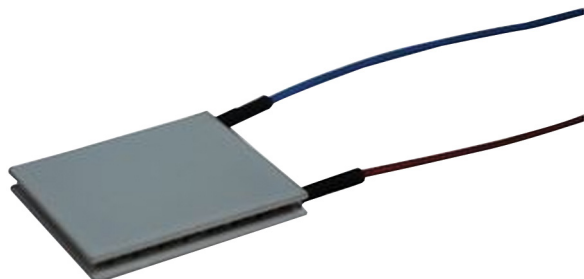


Peltier Cooler - 44W



Features:

Transducer Function: Thermoelectric modules

Specifications:

Parameters		Remarks
Internal resistance	0.86Ω ± 10%	Note-1
I _{max} .	8.5A	Note-2
V _{max} .	8.8V	Note-3
	Th=25°C	
Q _{max} .	44W	Note-4
ΔT _{max} .	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	3.8mm	
External Length / Height	30mm	

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

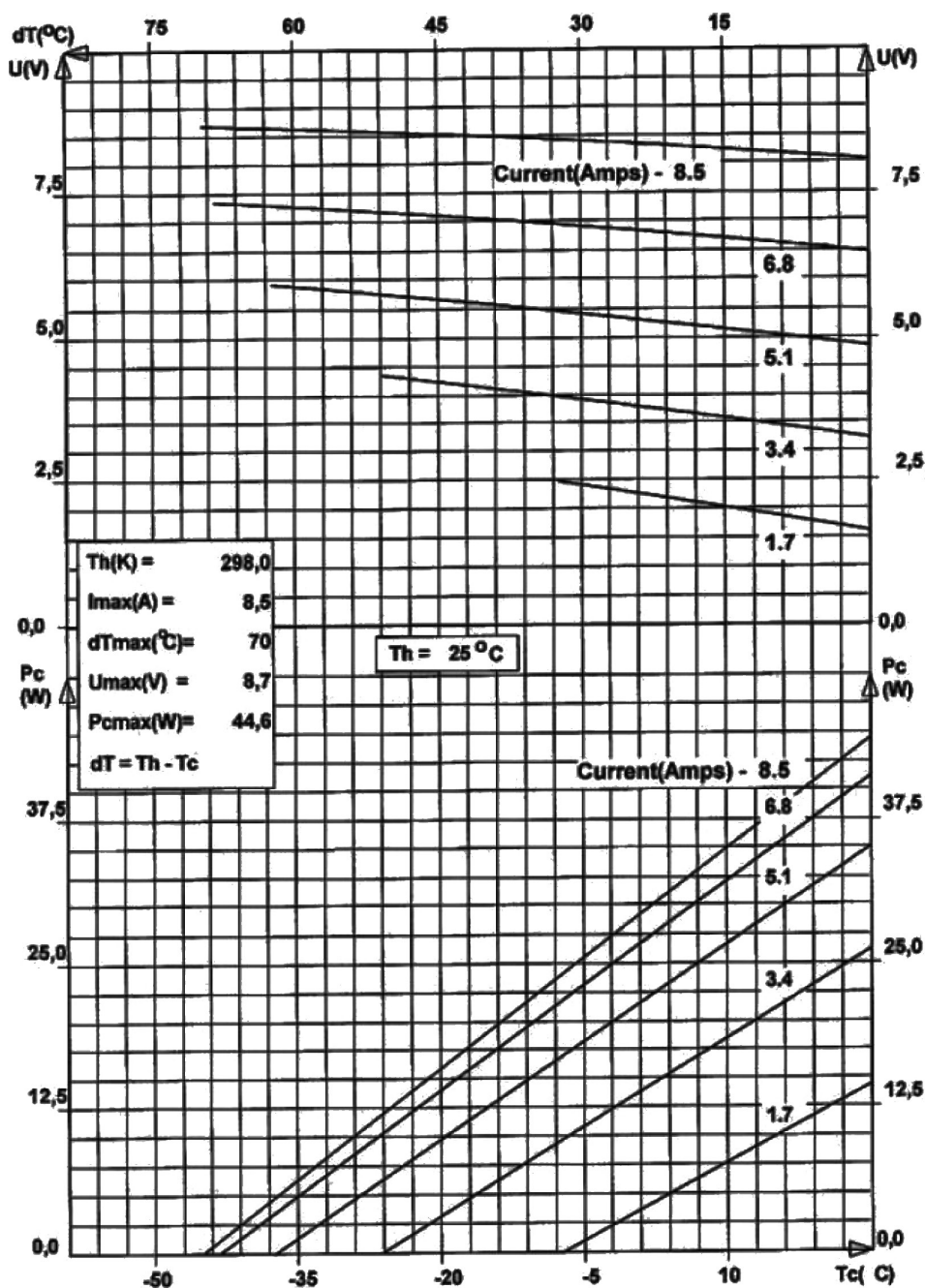
Note-7 Recommended Max. compression (not destruction limit)

Recommendations:

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

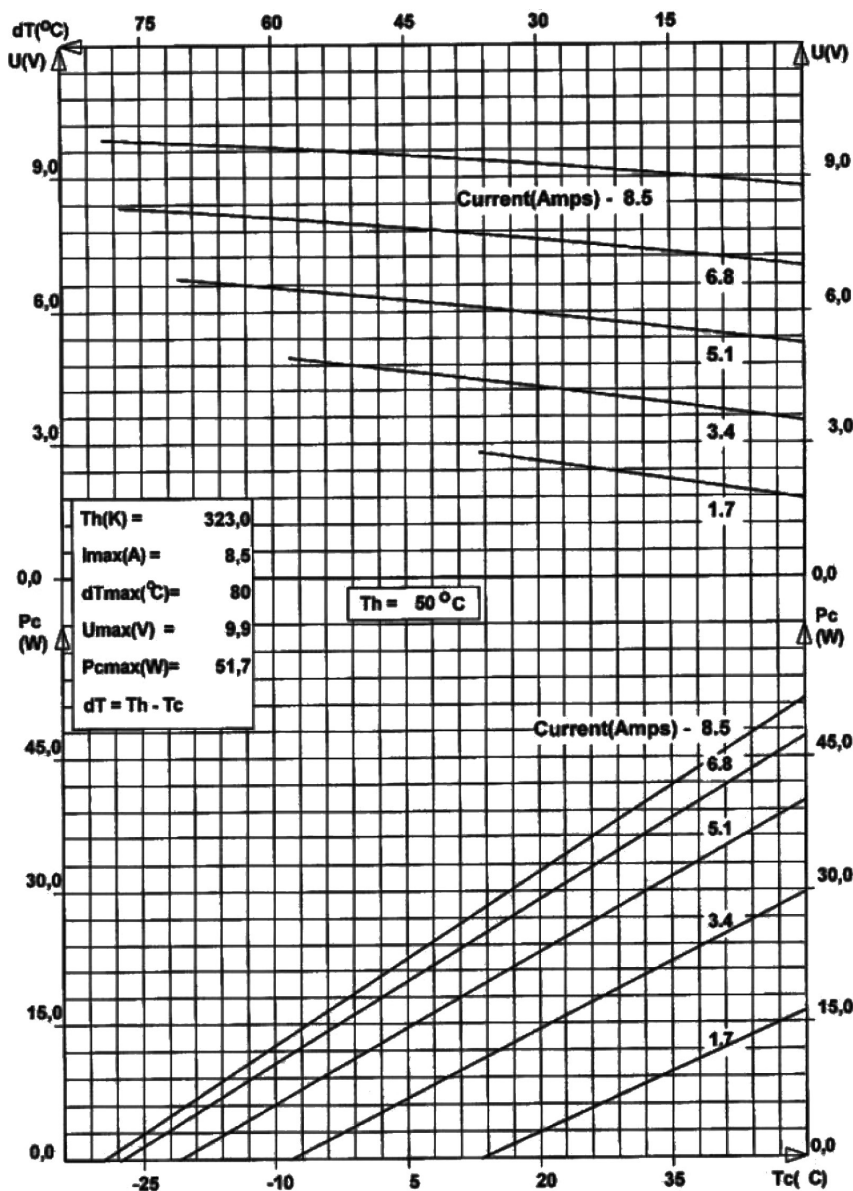
Peltier Cooler - 44W

2-3 Performance Graph (298K)



Peltier Cooler - 44W

2-3 Performance Graph (323K)



Part Number Table

Description	Part Number
Peltier Cooler, 44W	MCPF-071-14-11