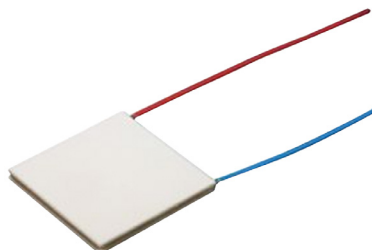


Peltier Cooler - 31.1W



Features:

Transducer Function: Thermoelectric modules

Specifications:

Parameters		Remarks
Internal resistance	1.25Ω ± 10%	Note-1
I _{max} .	6A	Note-2
V _{max} .	8.8V	Note-3
	Th=27°C	Th=50°C
Q _{max} .	31.1W	34.2W
ΔT _{max} .	70°C	77°C
Solder Melting Point	235°C	Note-6
Max. Compress	1MPa	Note-7
Operating Temperature	-40°C to +100°C	
External Depth	3.95mm	
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)

Part Number Table

Description	Part Number
Peltier Cooler, 31.1W	MCPE1-07107AC-S

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