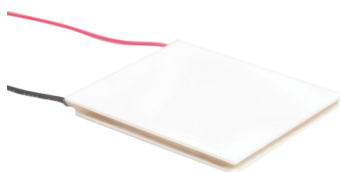


Peltier Cooler - 55W



RoHS
Compliant



Features

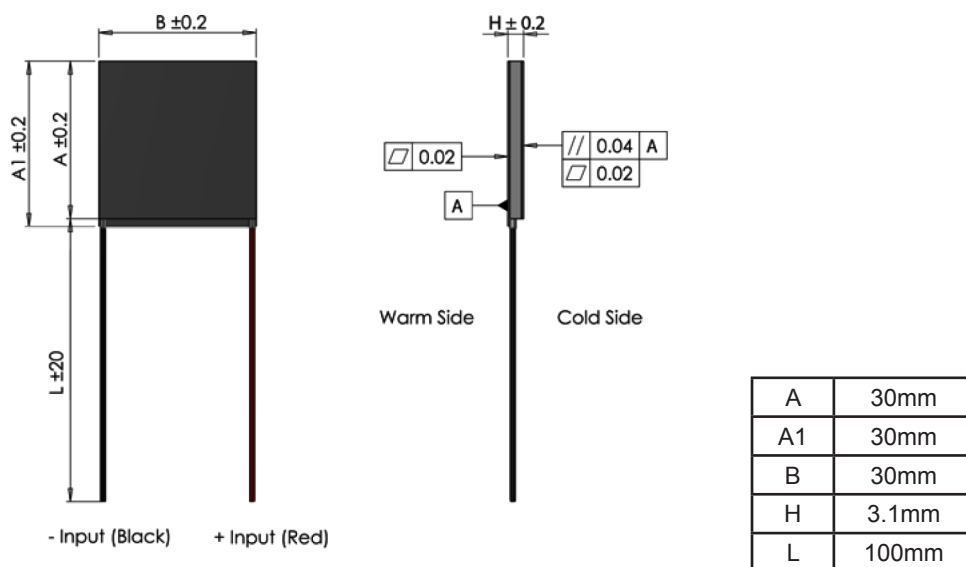
- Solid-state reliability
- High integrity nickel diffusion barriers on elements
- High strength for rugged environments
- Porch style for enhanced lead wire strength
- Sealed & lapped for multi-module applications

Specifications

I _{max}	6A
V _{max}	15.7V DC
P _c max	55W
ACR	2.3Ω
ΔT _{max}	69°C
Max hot side temperature	90°C

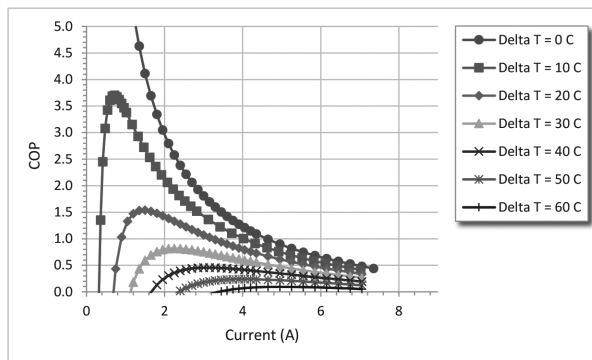
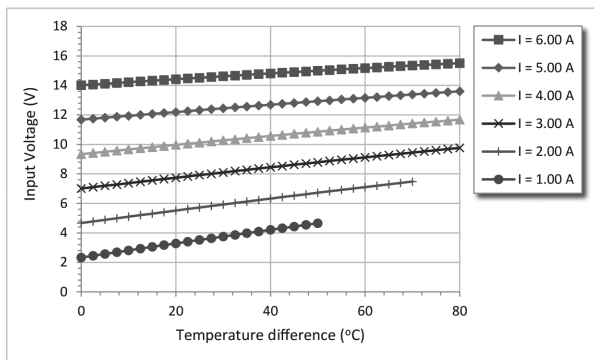
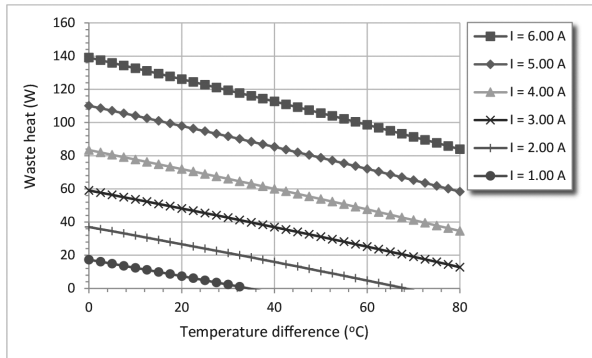
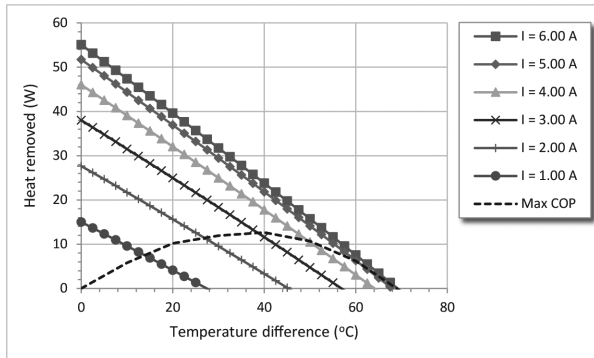
Internal resistance is measured by AC 4-terminal method at 25°C. I_{max} is the current at deltaT_{max}. V_{max} is the voltage at deltaT_{max}. Q_{max} is the cooling capacity at I_{max}, V_{max} and deltaT = 0°C. T_{max} is the temperature difference at I_{max}, V_{max} and Q=0W (Max parameters are measured in a vacuum).

Diagram

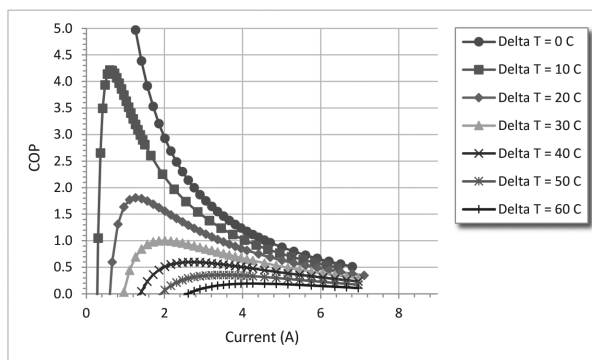
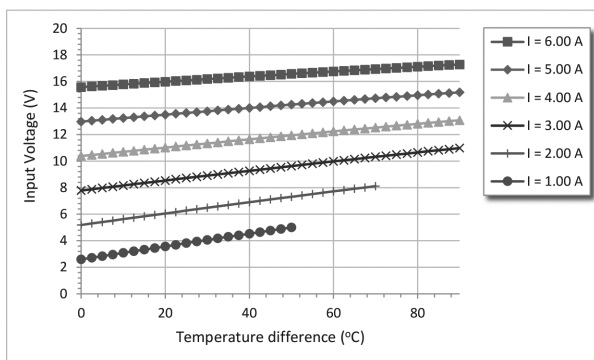
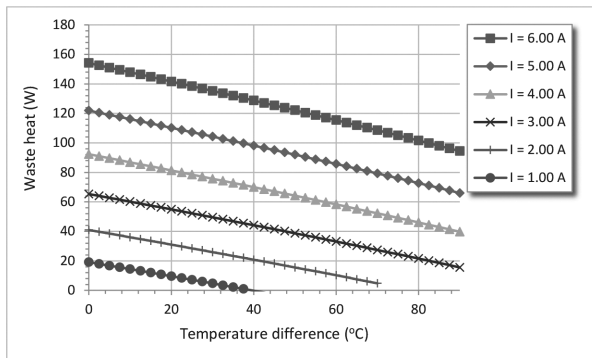
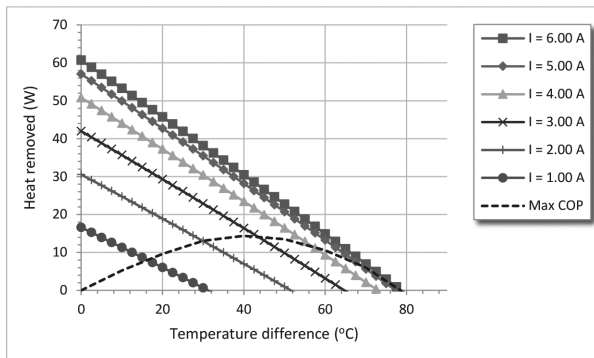


Peltier Cooler - 55W

At hot side temperature 25°C

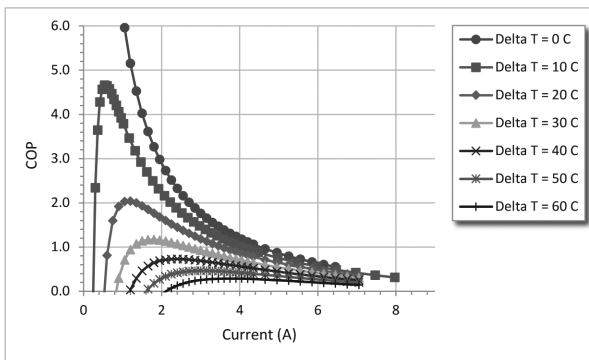
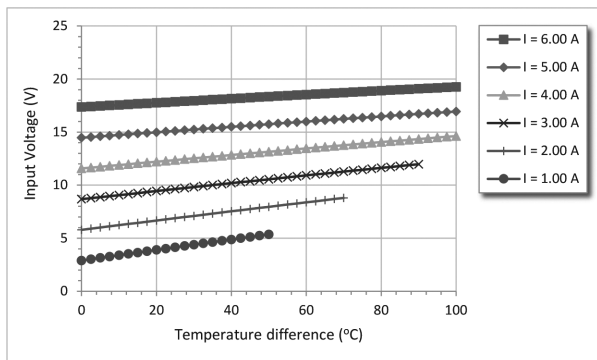
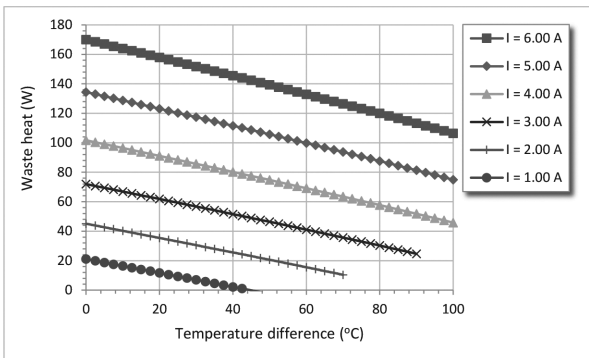
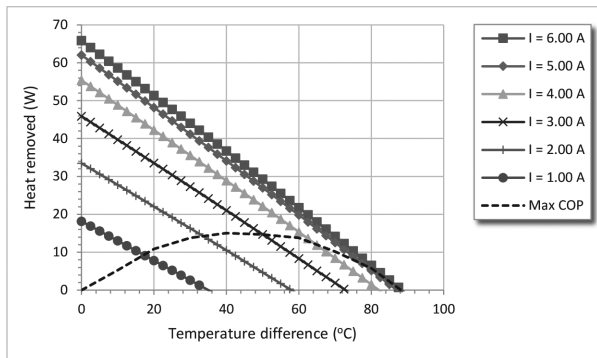


At hot side temperature 50°C



Peltier Cooler - 55W

At hot side temperature 75°C



Part Number Table

Description	Part Number
Peltier Cooler, 55W	MCHPE-127-10-08-E