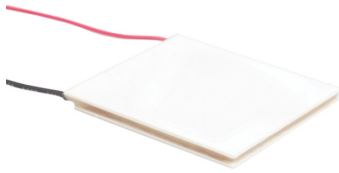


RoHS  
Compliant



## Features

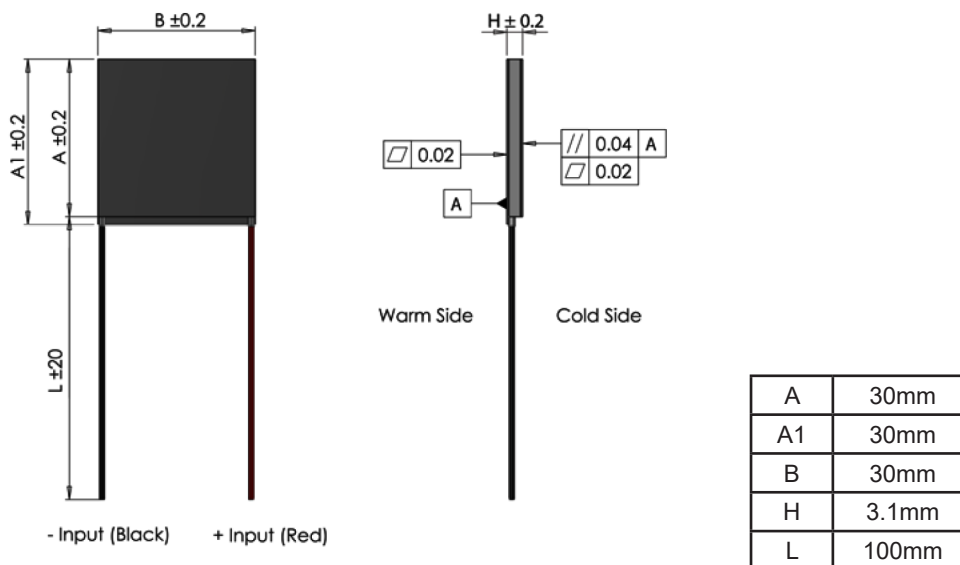
- Solid-state reliability
- High integrity nickel diffusion barriers on elements
- High strength for rugged environments
- Porch style for enhanced lead wire strength
- Sealed & lapped for multi-module applications

## Specifications

I <sub>max</sub>	6A
V <sub>max</sub>	15.7V DC
P <sub>c max</sub>	55W
ACR	2.3Ω
ΔT <sub>max</sub>	69°C
Max hot side temperature	90°C

Internal resistance is measured by AC 4-terminal method at 25°C. I<sub>max</sub> is the current at deltaT<sub>max</sub>. V<sub>max</sub> is the voltage at deltaT<sub>max</sub>. Q<sub>max</sub> is the cooling capacity at I<sub>max</sub>, V<sub>max</sub> and deltaT = 0°C. T<sub>max</sub> is the temperature difference at I<sub>max</sub>, V<sub>max</sub> and Q=0W (Max parameters are measured in a vacuum).

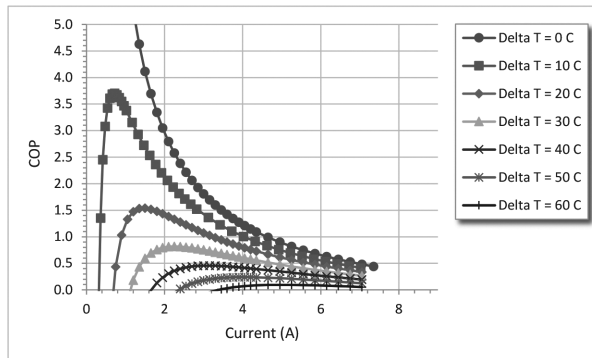
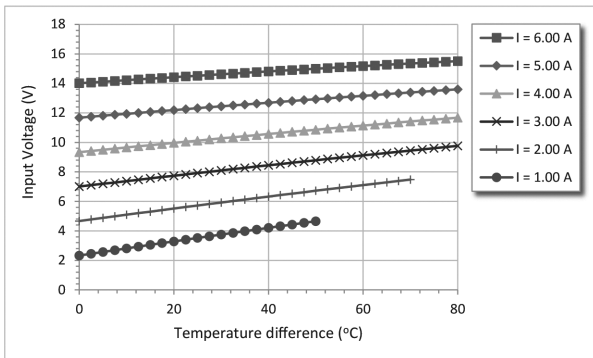
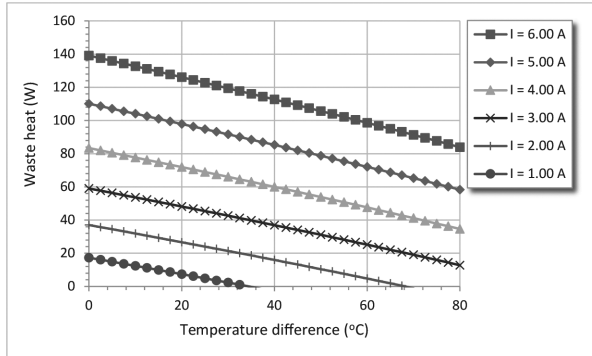
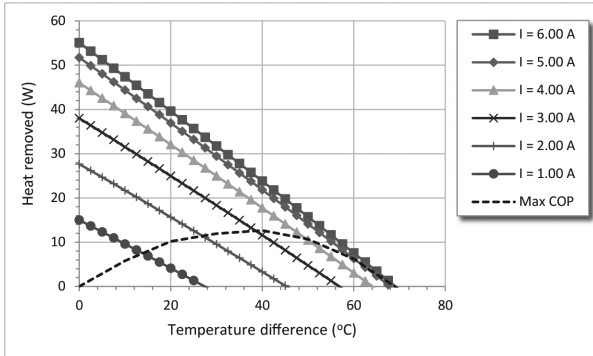
## Diagram



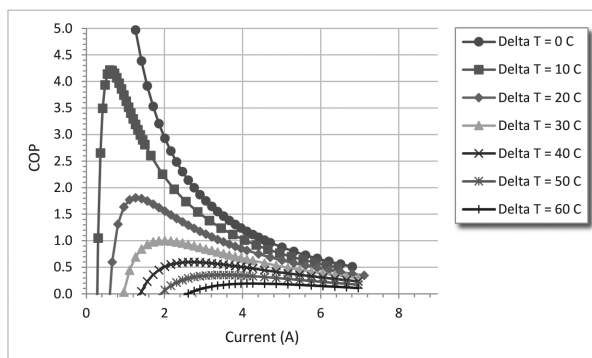
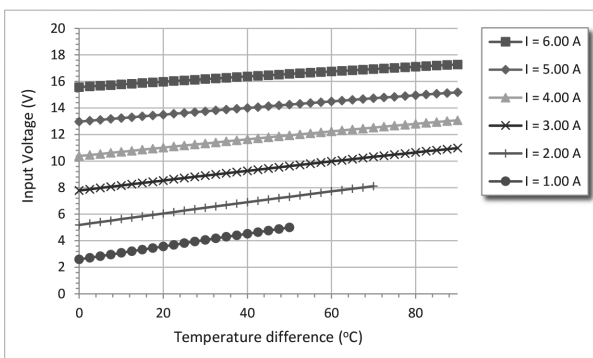
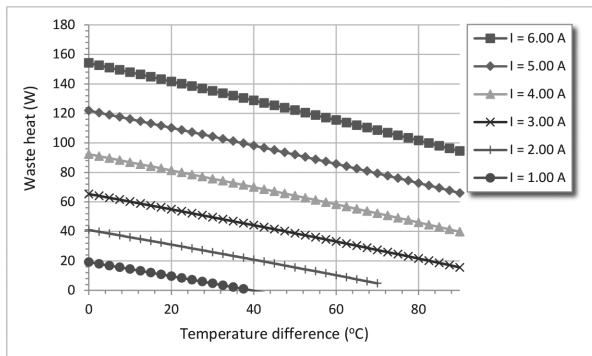
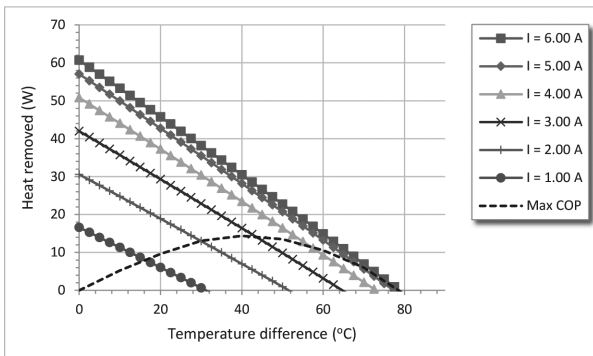
# Peltier Cooler - 55W

**multicomp** PRO

## At hot side temperature 25°C



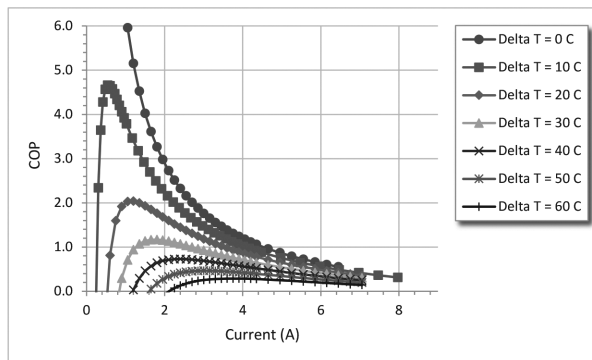
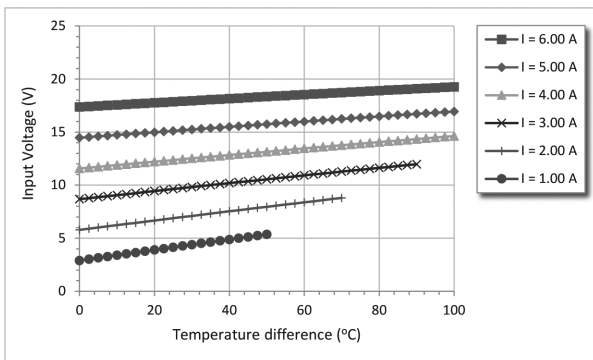
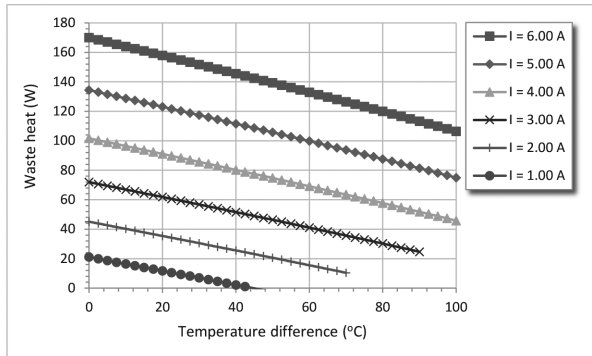
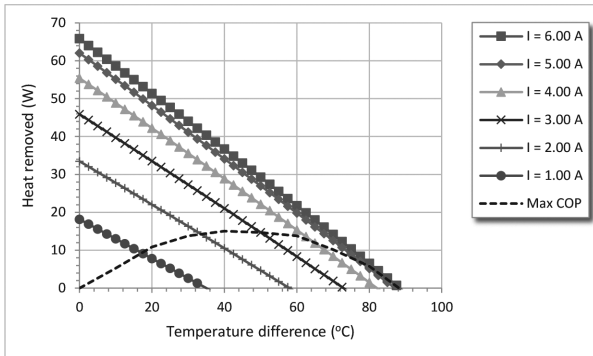
## At hot side temperature 50°C



Newark.com/multicomp-pro  
 Farnell.com/multicomp-pro  
 Element14.com/multicomp-pro

**multicomp** PRO

## At hot side temperature 75°C



## Part Number Table

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

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.