Thermoe Electric Cooler CP016119(15,15)

Thermoelectric Cooler Specification

Product Introduction

The CP standard series is designed for consumer products requiring high cost performance. This product is made of High performact terrmemec tires reobrlic nateciois materatls, reumized high nhice-cost-performance, and endenoruct is shodly high ring. is sitable for operatrnh in environnent below 60℃ and is vrused in beauty-equirnment and electronic appliances. This series provides customitized services.

Features

- High performance:
- maximum temperature difference above 65℃
- More than 5 years service life in typical applications
- Use DC power supply
- RoHS compliant
- Customization services available

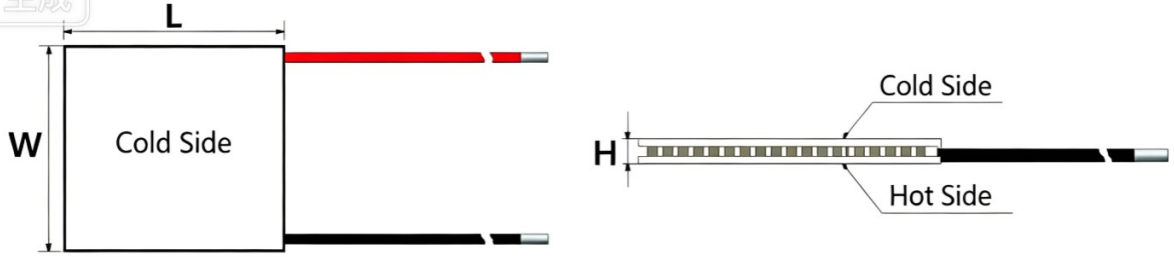
Applications

- Beauty equipment and laser beauty instruments
- Electronic dehumidifiers and electronic refrigerators
- Mobile phones and electronic equipment cooling
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- Pet water dispensers and ice makers
- Air conditioning and fan heaters

性能参数ce Parameters

Hot Side Temperature=	**25℃**	**50℃**	Hot side temperature during operation or testing
Hot Side Temperature Th=	5.3	5.7	Cooling capacity at ΔT=0, I=Imax
Maximum Temperature during Difference ΔTmax (℃)	66.0	70.0	Temperature difference at Qc=0, I=Imax
Maximum **Current Imax (A)**	2.5	2.5	Current at ΔT=ΔTmax or Qc=Qcmax
Maximum **Voltage Umax (V)**	3.8	4.1	Voltage at ΔT=0, I=Imax
AC Resistance (1KHz) (Ω)	1.19	1.31	AC resistance under specified standard conditions
Performance Tolerance	**± 12%**		Standard product shipping specification

Geometric Dimensions

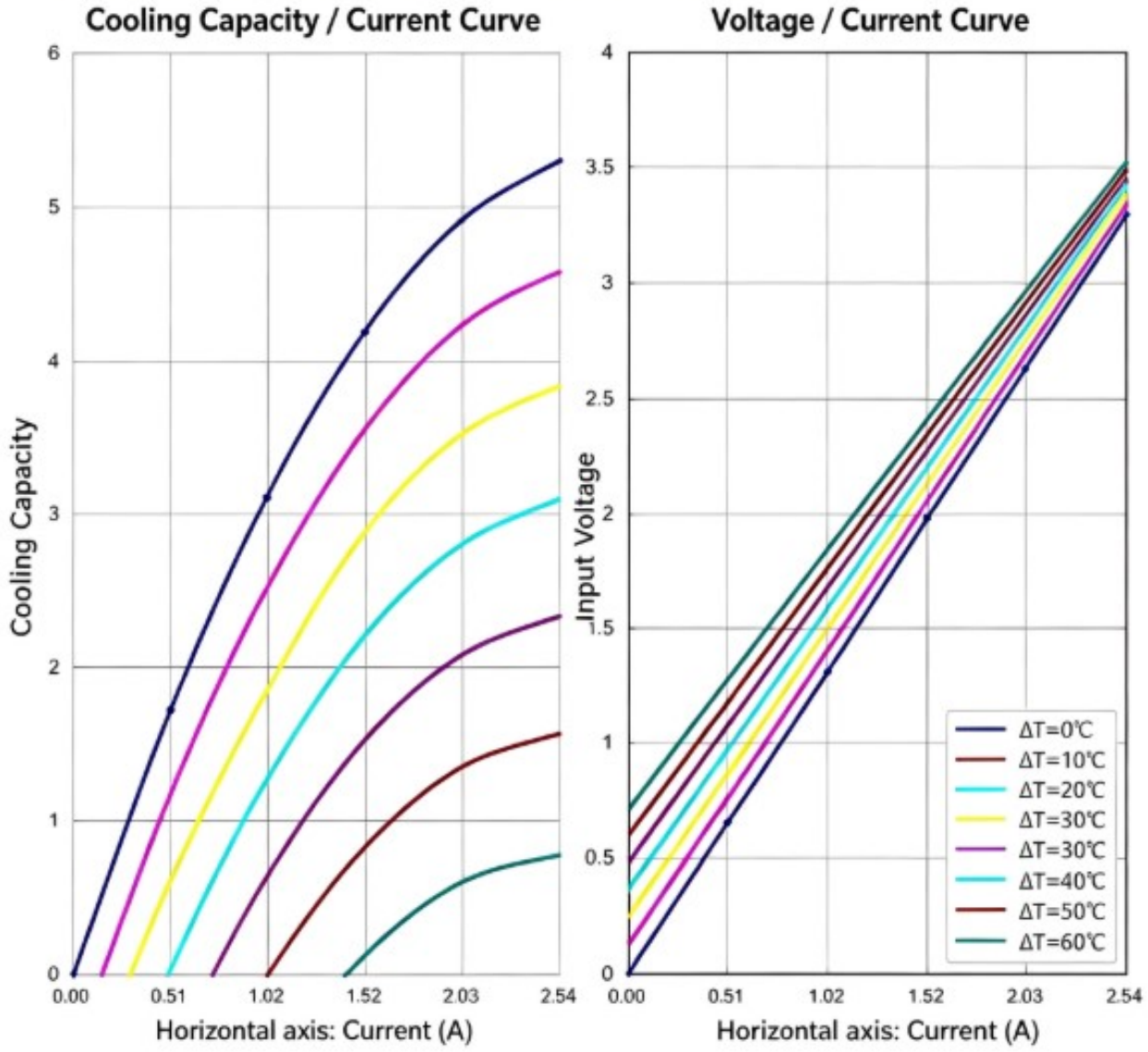


Long Side	Short Side	Thickness	Unit	Wire Model	Wire Length	Terminal
15.0 ± 0.3	15.0 ± 0.3	4.00 ± 0.10	mm	自定义	自定义	自定义

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Performance Curves (Hot Side Temperature = 25℃)



Operating Notes

- The thermoelectric cooler is a low-voltage DC power supply component. Please use a DC power supply for connection; do notpy;
- The input voltage/currrent should be less than the device's maximum voltage/current (see Perforertic, 30%~80%; Performance Parameters). In gen:
- During installation, ensure uniform force distribution. Prevent any part from being subjected to mechanical stress.
- The solder joints of this series are not intended for soldering to the heat sink. Poor heat dissipation will shorten the
- It is recommended to use and store this series in an environment below 60℃ and below 70% relative humidity.