TEC datasheet CP036207(20,20)

Description

The CP(Ceramic Plate) Series of Thermoelectric Modules (TECs) is Assembled with Bismuth Telluride semiconductor material and thermally conductive Aluminum Oxide ceramics and Low temperature environmentally friendly solder. the CP Series is designed for high cost-effectiveness room temperature application,Widely used in the field of consumer goods .

Features

Precise temperature control

No sound or vibration and solid-state

Good performance and good reliability

RoHS compliant

Provide the customization service.

APPLICATIONS

Beauty and Hairdressing equipment

Laser hair removal device

Dehumidifier and Aquarium products

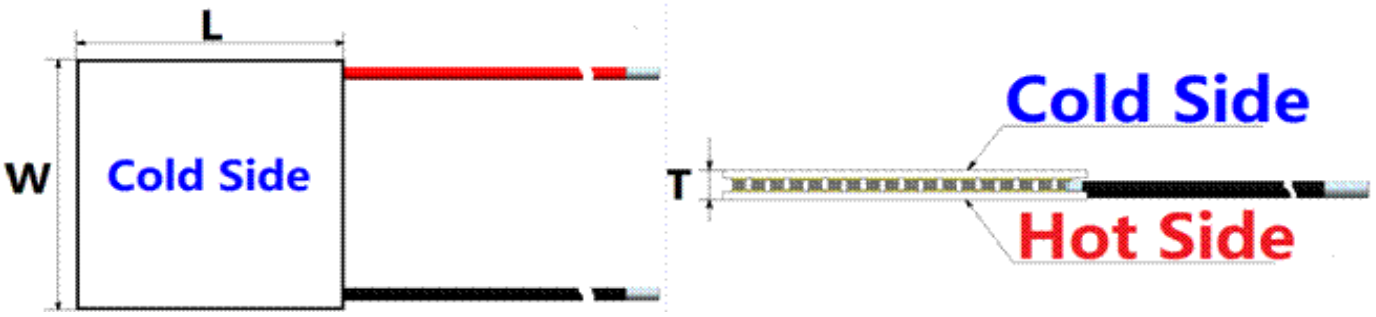
Electronic products cooling

Portable cooling fan

Peformance Specification

Hot side temperature	25 ℃	50 ℃	Hot side temperature when working
QCmax (Watts)	16.5	17.6	Qc When ΔT=0 and I=Imax
Delta Tmax (°C)	66.0	70.0	ΔT when I=Imax and Qc=0
Imax (amps)	3.3	3.3	Current When ΔT=ΔTmax or Qc=Qcmax
Umax (Voltage)	8.6	9.5	Voltage When ΔT=ΔTmax and I=Imax
AC resistance (ohms)	2.07	2.28	Tested under 1KHz AC
Tolerance	± 12%		For thermal and electricity parameters

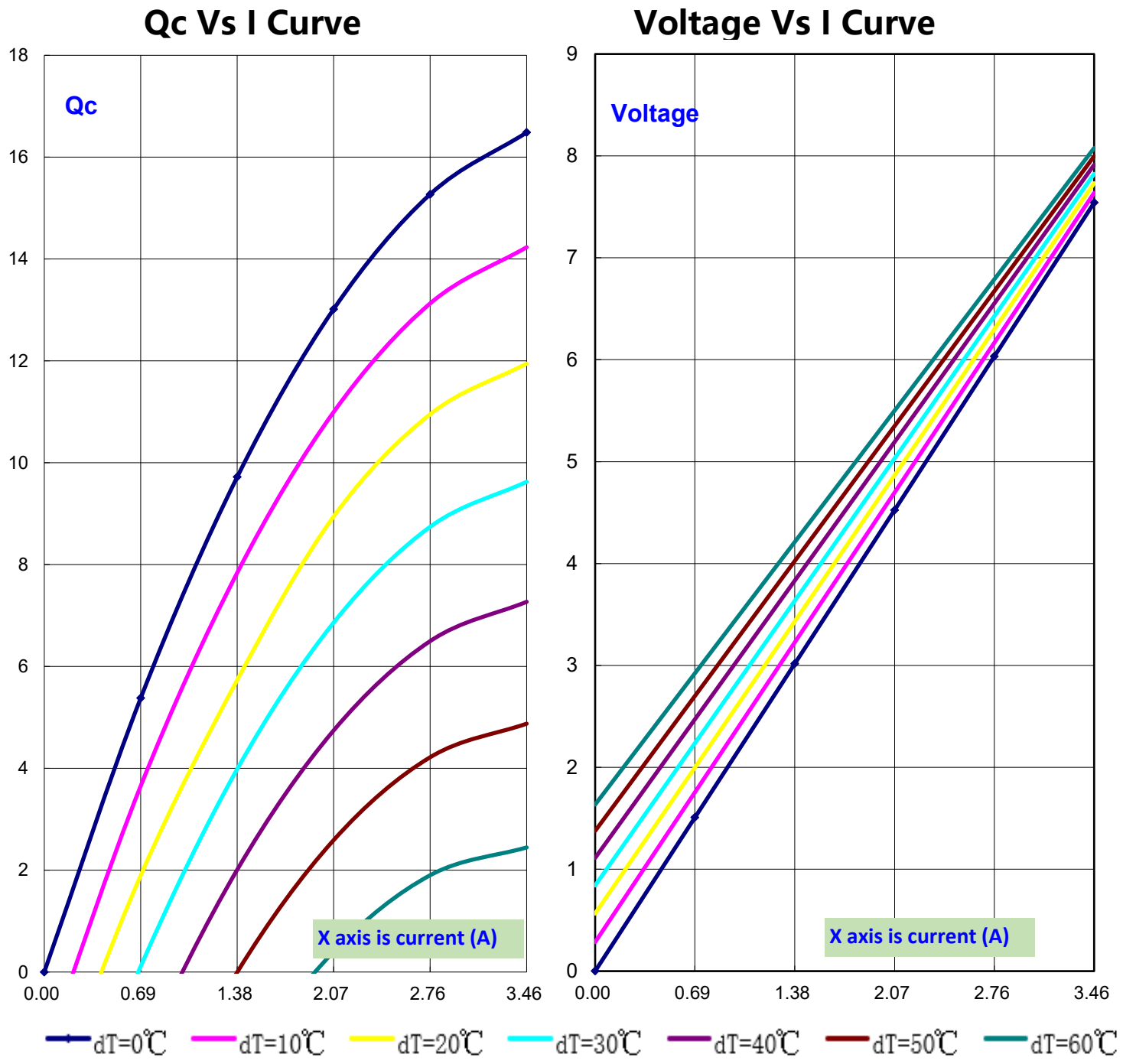
Geometric Characteristics



Length	Width	Thickness	Unit	Wire Model	Wire Length	Terminal
20.0 ± 0.3	20.0 ± 0.3	3.50 ± 0.15	mm	Customizable	Customizable	Customizable

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Performance Curves at Th=25 ºC



Operation Cautions

- TEC is a wide voltage input device that uses a direct current (DC) power supply.
- Using voltage/current should be less than the maximum voltage/current;
- Pay attention to force balance during installation to prevent lateral pressure or any form of impact;
- Before Use, installing the hot side of TEC onto the heatsink;
- Use and store in an environment less than 60°C and less than 70 % relative humidity.