

Thermoelectric Cooler

◆ Product Description

This product is a thermoelectric cooler, featuring fast heating and cooling conversion, stable cooling performance, compact size and structure, and no moving mechanical parts. It is suitable for cooling and constant temperature control of various precision equipment.

◆ Product Advantages

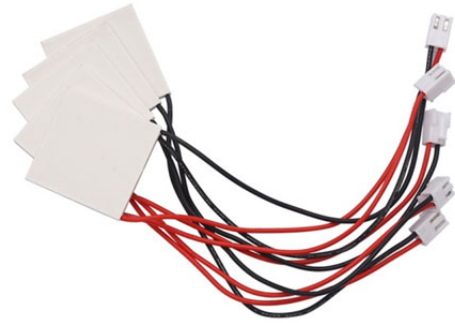
- Fast cooling with obvious temperature difference
- No noise and no vibration
- Small size and easy installation
- Energy-saving and eco-friendly without refrigerant
- Reliable operation and long service life

Product Structure

It adopts a multi-layer composite sheet structure, composed of semiconductor particles, conductive circuits and insulating ceramic surfaces. Both sides are flat for heat conduction with a compact structure. It can achieve cooling on one side and heating on the other once powered on.

◆ Application Scenarios

It is often used in small refrigeration equipment, instrument heat dissipation, vehicle-mounted refrigeration, medical cooling devices, laboratory temperature control modules, etc., to meet the rapid cooling and constant temperature requirements of precision electronics and small equipment.



◆ Technical Features

- Adopts semiconductor thermoelectric material with high thermal conductivity ceramic sheets on both sides
- Fast cooling and heating upon power-on, quick response and sensitive temperature control
- No moving parts, stable operation and low failure rate
- Good insulation performance, safe to use and excellent voltage resistance
- High thermal conductivity, moderate power consumption, suitable for various DC power supply scenarios

Item Code	Model
1.2.11.09.0007	TEC1-12708

◆ Remarks

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