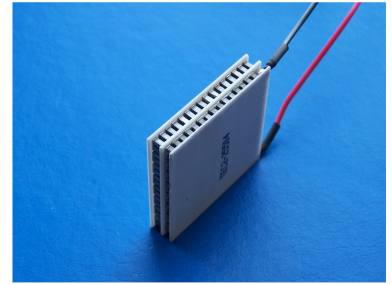


# Thermoelectric Peltier Cooler Module

A thermoelectric cooler (TEC) module, also known as a Peltier cooler, is a solid-state heat pump that transfers heat from one side of the device to the other, creating a hot side and a cold side. This module features a compact design with two ceramic plates sandwiching an array of semiconductor elements.



## Product Overview

### Thermoelectric Peltier Cooler Module

This thermoelectric cooler (TEC) module, commonly known as a Peltier cooler, operates as a solid-state heat pump designed to transfer heat from one side of the device to the other. Its compact construction features two ceramic plates sandwiching an array of semiconductor elements, making it ideal for precise temperature control. By simply reversing the polarity of the applied voltage, this versatile module can function as either a cooler or a heater.

## Technical Details

### Construction

- Dual ceramic plates
- Semiconductor element array
- Integrated power supply wires

Model Number	TEC2-25504
Operating Principle	Solid-state heat pump (Peltier effect)

## Applications

Typical Applications	CPU Cooling, Portable Refrigeration, Laser Diode Temperature Control
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