

# Electric Cooler Module

FIT0797 – (12V, 3A)

## Product Overview

11-30-2022

For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

## Description

DFRobot Electric Cooler Module is a semiconductor refrigeration module with a simple application of the Peltier Thermoelectric Effect. When the current flows through different interfaces of two conductors, it can absorb and release heat at both ends of the couple respectively. It provides a continuous low-temperature environment for the CPU by its condensing surface and ensures the efficient and stable operation of the CPU.



The FIT0797 cooler module starts working when powered on with rated voltage of 12V and rated current of 3A. This module features an instantaneous refrigeration, stable performance, no noise, and vibration, it can reduce temperature to -15°C at the most and comes in 40mm x 40mm x 4.5mm dimensions. The FIT0797 electric cooler module can be used in the environment with limited space, high-reliability requirements, and no refrigerant pollution or used for making portable refrigerators/incubators, hot and cold water dispensers, and cooling electronic devices.

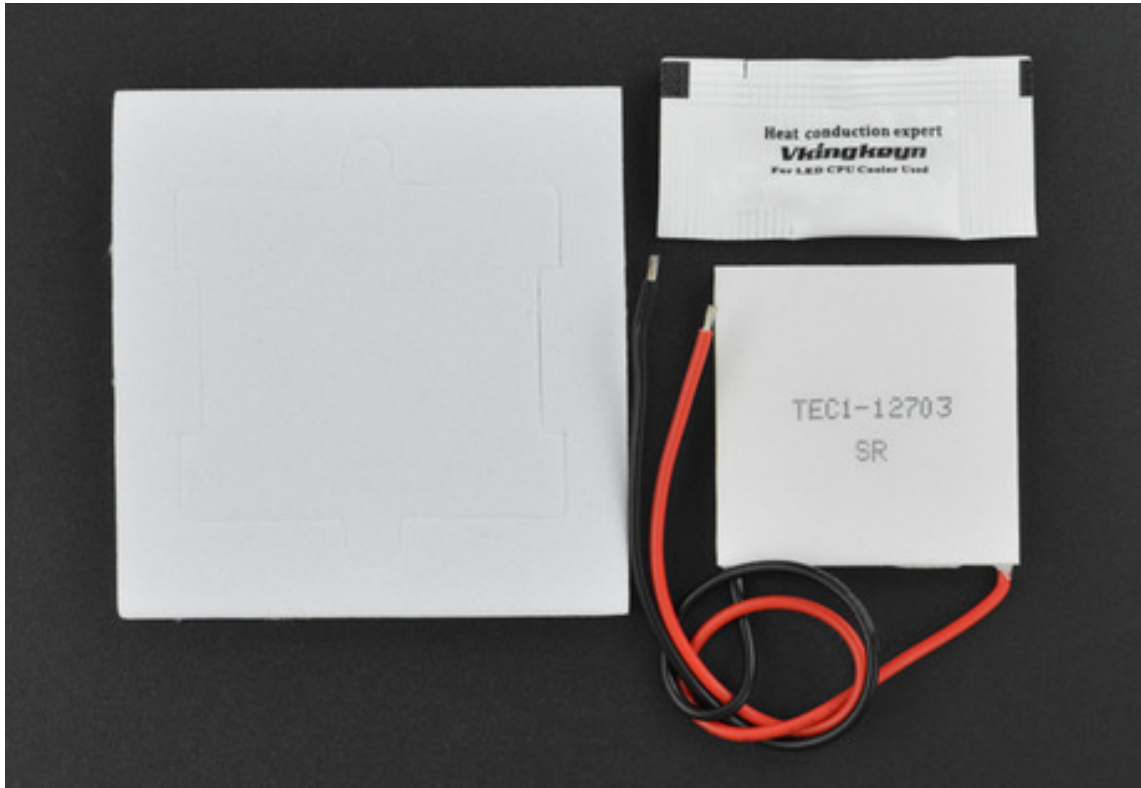
### Note:

1. The side with words is for cooling, and the side without words is for dissipating heat.
2. Heat side requires a heat sink or water-cooled heat dissipation device all the time, otherwise, there is a risk of burnout.

## Features

- 15.5V max voltage
- 12V operating voltage
- 3A max current
- 3.6Ω internal resistance
- 40mm x 40mm x 4.5mm dimensions
- 100mm to 380mm (red & black wire) wire length

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## Mouser Part Number

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