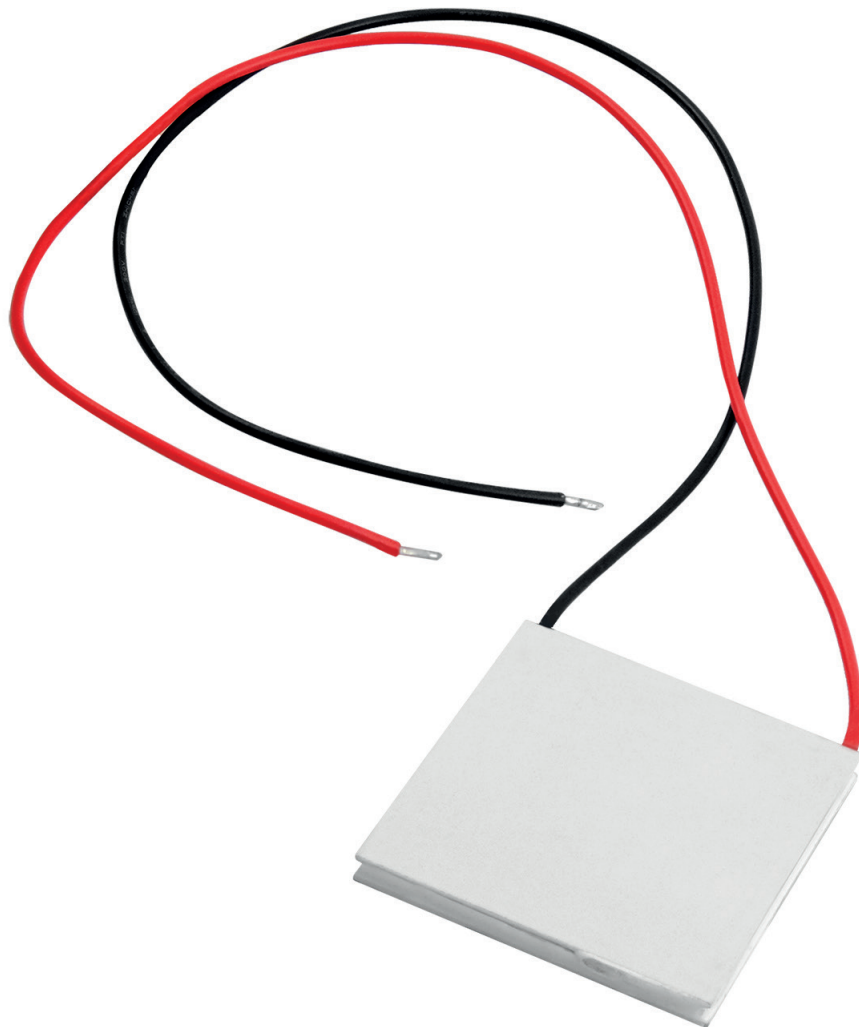


TEC1-12706

Thermoelektrischer Wandler

Datenblatt



Content:

[1. Specifications](#)

[2. Pinout](#)

[3. Connection Diagram](#)

1. Specifications

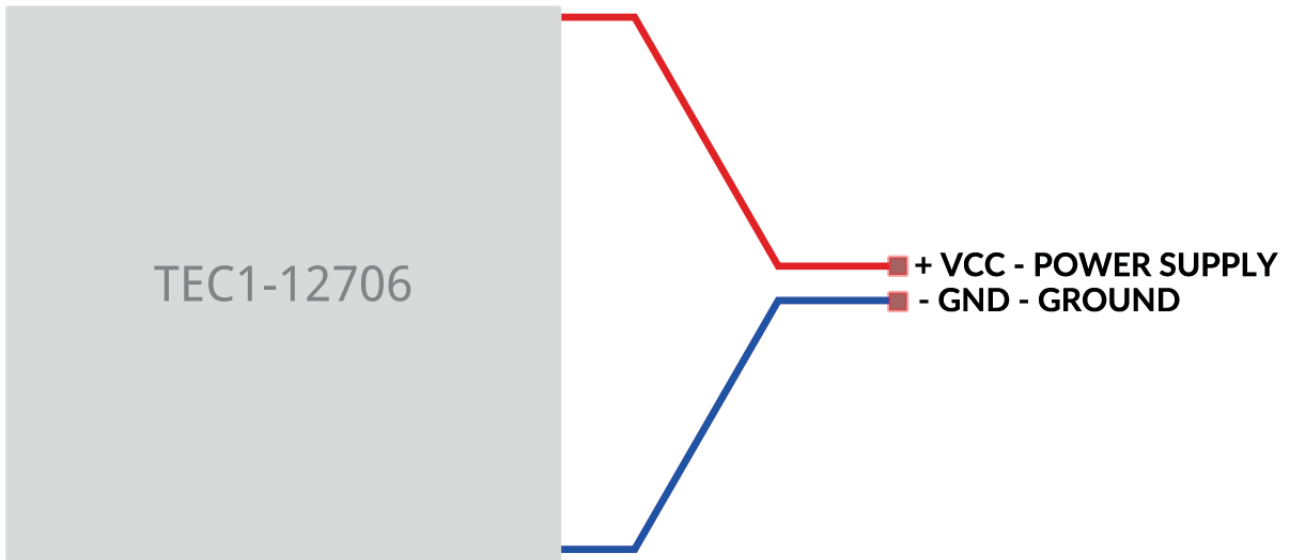
Operating Voltage	12V
Max. Operating Voltage	15V
Operating Current Range	3-6A
Power Consumption Range	30 - 60W
Module Resistance Range	1.98 - 2.30hms
Max. Temperature Difference	75°C (Th=50°C), 68°C (Th=27°C)
Max. Operating Temperature	55 - 85°C
Dimensions	40mm x 40mm x 4mm (1.6in x 1.6in x 0.16in)

For proper usage of the device heat sinks must be used, otherwise introducing a current to the device may damage it!

A heat sink has to be installed on the hot side of the device.

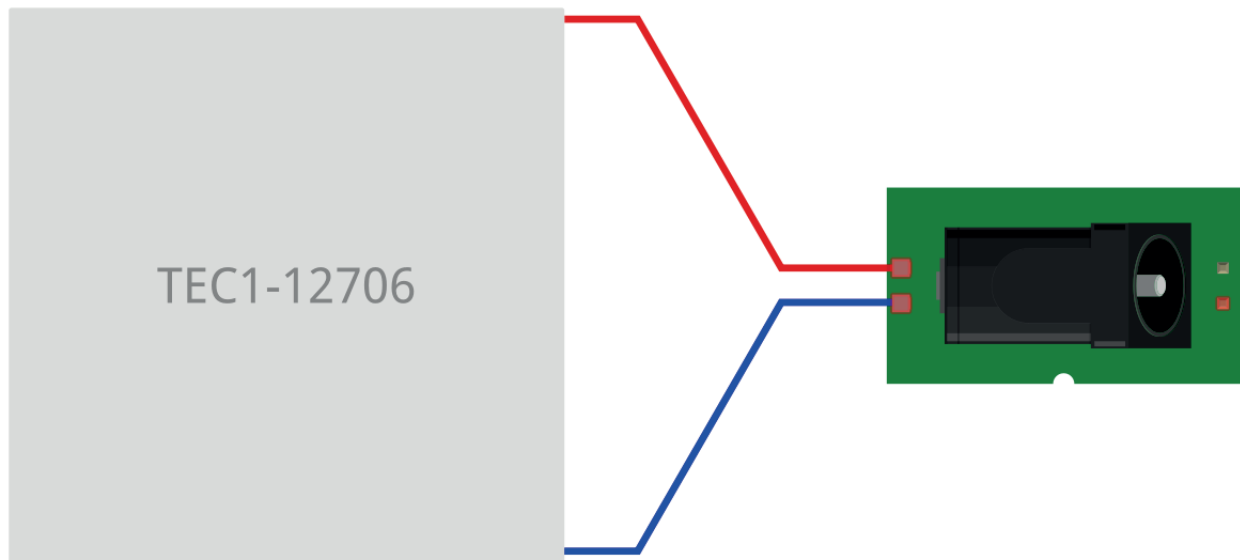
The cold side of the module is applied to the object being cooled and the hot side of the module mounted on a heat sink.

2. Pinout



The converter has to be connected as on the image. Reversing polarity will also reverse the Hot and Cold side of the device.

3. Connection Diagram



NOTE: The power supply for the thermoelectric module has to be able to deliver the minimum 6A of continuous current.

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