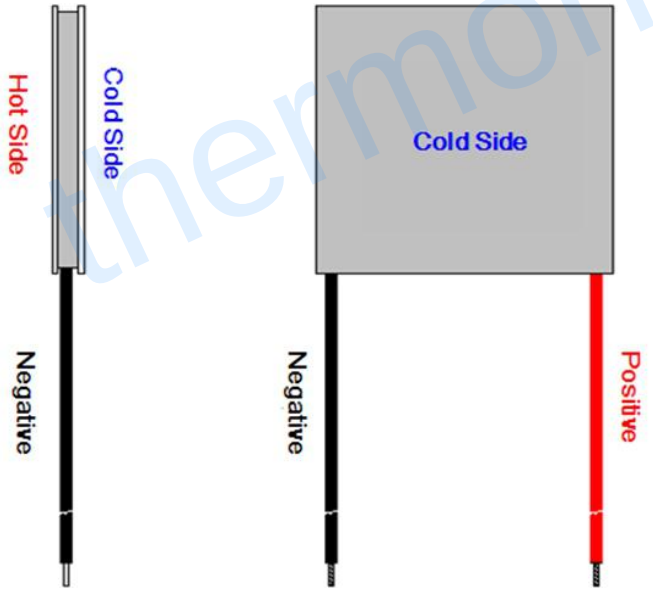
Test method for hot and cold side for Thermoelectric Cooling Module

1. Soldering Method



As shown above , when the lead wire is placed in the direction of the user and the red line is to the right, the upper surface of the module is cold side.

2.Test method

2.1 Get a DC voltage regulator and adjust the voltage to 2-3V.

2.2 Turn off the DC power supply, connect the red wire to the positive pole of the power supply and the black wire to the negative pole.

2.3 Place the module as shown above and the lead wire toward the tester.

Touch both sides of the device with two fingers and turn on the DC power supply. About 1-3 seconds later, the upper surface of the device will become cold and the lower surface will become hot.

2.4 If the upper surface becomes hot, the lead wire may be connected inversely.

If there is no cooling or heating on the surface, and the current of the dc power supply is OA, then the device is unqualified.

2.5 An infrared thermometer can be used instead of finger .

2.6 Note: after test, the power should be disconnected in time to prevent the device from damaging due to the high temperature working for a long time without heat dissipation measures.