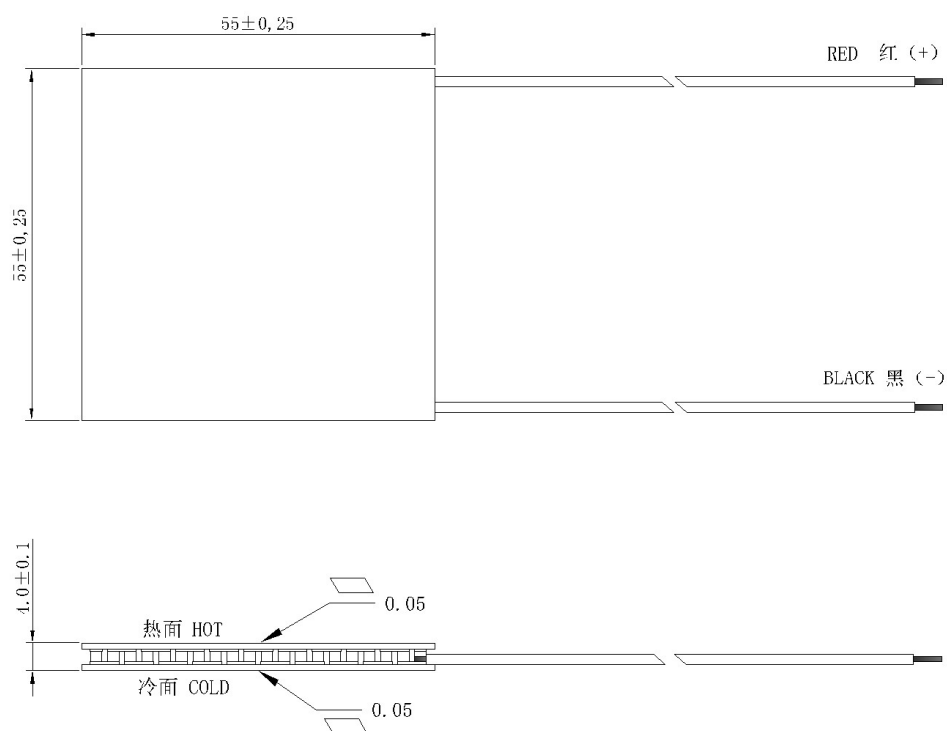


TEG1-241-1.4-1.2 Thermoelectric Generator

1. Module Size (mm) Drawing:



2. Materials

1. Ceramic plate: 96%Al₂O₃ white
2. Seal with Silicone Rubber: 704 RTV
3. Thermoelectric material: Bismuth Telluride



3. Module Specifications

Th= °C	Open Voltage (V)	Output voltage (V)	Internal R (Ω)	Load R (Ω)	Output wattage (W)
50	1.93	0.96	3.12	3.12	0.30
70	3.86	1.93	3.41	3.41	1.09
90	5.78	2.89	3.69	3.69	2.27
110	7.71	3.86	3.98	3.98	3.74
130	9.64	4.82	4.26	4.26	5.45
150	11.57	5.78	4.54	4.54	7.36
170	13.50	6.75	4.83	4.83	9.43
190	15.42	7.71	5.11	5.11	11.63

The cold side temperature is 30°C

Working Temperature Range :-40~ 200°C

4. The correct installation:

1. There is cooling fin in one side of the thermoelectric generator module, and the other side install heat resource, the planeness of the install surface can't over 0.03mm, the surface need to be deburred and clean the dirty.
2. The module, cooling fin and heat resource should contact with each other very well, the touch surface need cover with heat-conducting glue.
3. Locate the module, apply the force evenly, make sure not over-force, avoid crushing the module.

Approver	Checker	Maker
Yang		Kang
