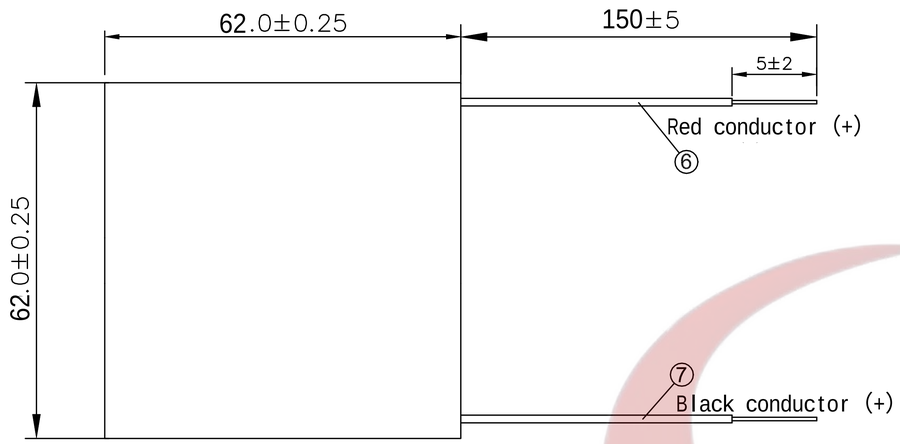
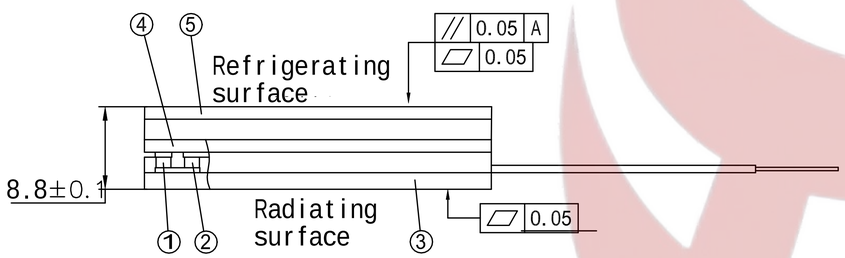
Drawing version number	B





item	Numerical value	Test environment
Maximum voltage	16V	Qc=0, DT=DTmax, Th=50℃
Maximum current	12A	Qc=0, I=Imax, Th=50℃
Maximum temperature difference	75℃	Qc=0, I=Imax, Th=50℃
Maximum cooling capacity	78W	I=Imax, DT=0, Th=50℃
Maximum temperature resistance	120℃	

Technical requirements:

1) Product resistance range: 1.48-1.85 Ω(T=25°C).

2) Wire material: Wire length 150mm. Wire ends on tin.

3) When the red wire is connected to the positive electrode, the above is the cooling surface.

4) The product uses RTV sealant.

1	P-type particle	Bi2Te3	
2	N-type particle	Bi2Te3	
3	Cooling surface substrate	Aluminium oxide	
4	Intermediate substrate	Aluminium oxide	
5	Cooling surface substrate	Aluminium oxide	
6	Positive conductor	Soft silicone wire	
7	Negative conductor	Soft silicone wire	

Thermoelectric cooler

TEC2-19712

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view

HUAHAI