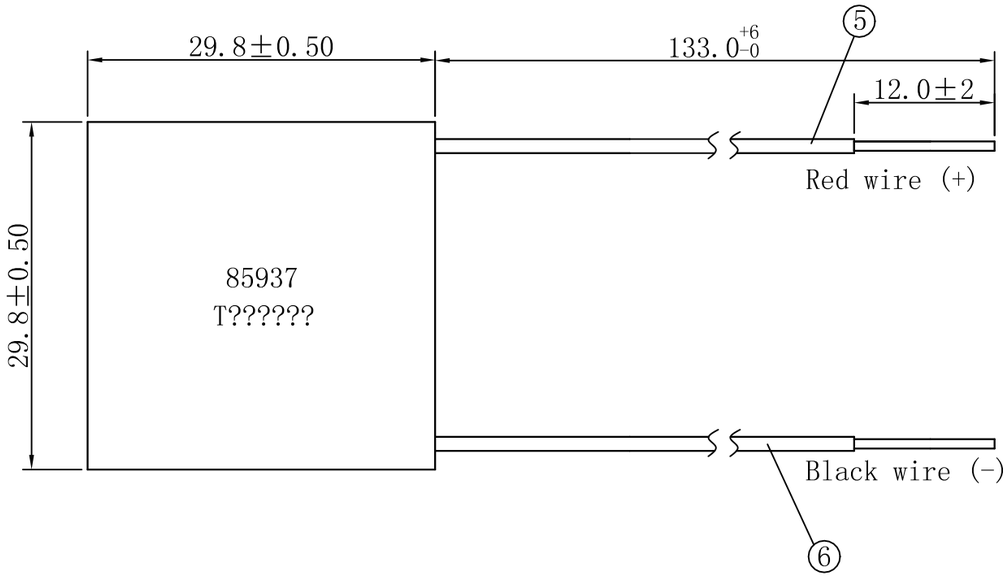
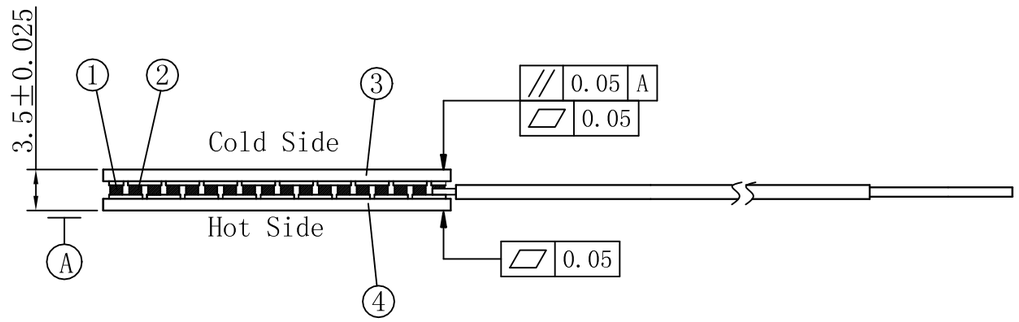
FERROTEC CONFIDENTIAL

PRELIMINARY





⚠ 1) The resistance of the module shall be within 0.765 to 0.932 ohms at an ambient temperature of 25 degrees Celsius.
2) The lead wire material: #22 AWG Type-E Teflon MIL-W-16878E/4.
3) The end of the lead wires shall be pre-tinned.
4) Lot Number and Part Number shall be stamped on the cold side with black color.

ROHS COMPLIANCE

Item	Value	Conditions
Imax	8.5A	Qc=0, DT=DTmax, Th=50℃
Vmax	10.1V	Qc=0, I=Imax, Th=50℃
DTmax	83.0℃	Qc=0, I=Imax, Th=50℃
Qcmax	45W	I=Imax, DT=0, Th=50℃
Thmax	200.0℃	Maximum Processing Temperature

SN	PN	MATERIAL	QTY	REMARKS
6	BLACK WIRE	PTFE	1	
5	RED WIRE	PTFE	1	
4	HOT SIDE SUBSTRATE	Alumina	1	
3	COLD SIDE SUBSTRATE	Alumina	1	
2	N-TYPE DICE	Bi2Te3	71	
1	P-TYPE DICE	Bi2Te3	71	

FerroTec

General Dimension Tolerance			
Process / Size Range	Cutting Common	Cutting Special	Forging Common
less than 6	±0.1	±0.15	±0.5
6 up to 30	±0.2		
30 up to 120	±0.3	±0.2	±0.7
120 up to 315	±0.5	±0.25	±1.0
315 up to 1000	±0.8	±0.4	±1.5
Angel	±5°	±1°	±5°

PLs	Date	Summary Of Modification	By
1	2015.8.25	Change the resistance of TEM	Mei Yang

Designed	Mei Yang	2015/8/25	Finished Mark
Checked	Yongqing Wu	2015/8/25	Material
FTH Approved			Finish
FT Approved			Raw Material Size
FTU Approved			Raw Material Weight

Title: 72001/071/085B		Proj. 3 Angle
Drawing Number: T1303-3000C		1/1
P/N: 85937	Scale: Do Not Scale	Rev. A