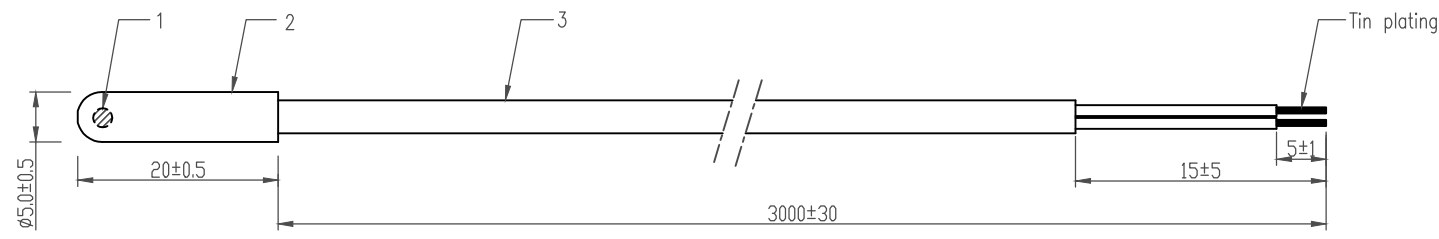


Mark	Num.	Modify files	Signature	Date



Item	Symbol	Test Condition	Performance	Unit
Rated resistance	R ₂₅	+25°C±0.02	6.8K±2%	kohm
B value	B _{25/85}	25±0.02°C, +85±0.02°C	3977K±2%	K
Time constant	τ	in still air	Approx. 30	Sec
Dissipation factor	δ	in still air	Approx. 3.0	mW/°C
Voltage withstanding	U	AC1500V (Peak value)/Sec	No destroy or spark	V
Insulation resistance	R _i	DC500V	≥ 100	Mohm
Max.power	P _{MAX}	Ambient Temp.+25°C	60	mW
Operating Temp. Range	T _{opr}	-	-40 ~ +110	°C

Operation Notice

1. Application Temperature measure and control.
2. Avoid measure error caused by self heat when over current pass through.
3. Water and Dust proof :IP68

Reliability test

1. Intensity
Fix the probe ,Pull the lead by striped wire end with 5N force for 10±1sec.
No visible damage.
2. High Temp.Store (In air)
100±3°C, 1000h
ΔR25/R25 ≤ ±3%
3. Low Temp.Store (In air)
-40±3°C, 1000h
ΔR25/R25 ≤ ±3%
4. Heat and Humidity Stability
40±2°C 92%RH~98%RH, 240h
ΔR25/R25 ≤ ±3%

3		Wire	1	PCS	TPE 26AWG Round jacket OD3.1mm	Black
2		Housing	1	PCS	TPEφ5x20	Black
1		Component	1	PCS	NTC Thermistor	Epoxy
No.	PN.	Name	Qty	Unit	Material	Remark
			VERSION	A0	WEIGHT	
			MATERIAL		UNIT	mm
		SCALE	2:1			
		TOLERANCE	0~10 ±0.1 10~100 ±0.2 100~300 ±0.3 120~400 ±0.5			
DESIGNED		NAME	DATE	Overmoulding Temperature Sensor MFE1B-682G3977BT302-0520		
CHECKED						
APPROVED						
		CUSTOMER NO	DRAWN NO	210608-J-SPA2	SIZE	
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