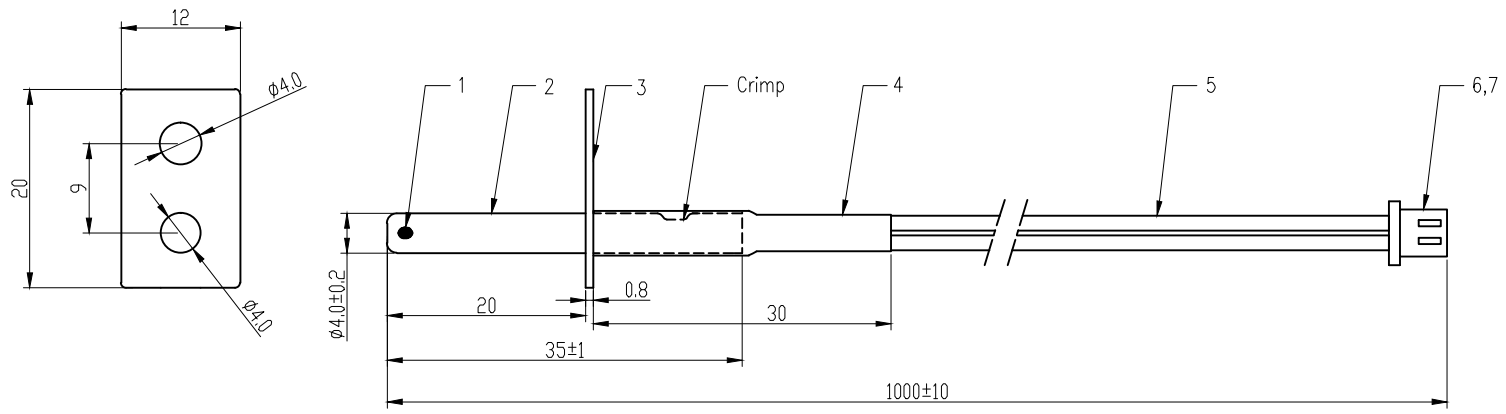


Mark	Num.	Modify files	Signature	Date



Item	Symbol	Test Condition	Performance	Unit
Rated resistance	R ₂₅	+25°C±0.02	100±1%	kohm
B value	B _{25/85}	25±0.02°C, +85±0.02°C	3977±1%	K
Time constant	τ	in still air	≤ 60	Sec
Dissipation factor	δ	in still air	Approx. 6.0	mW/°C
Voltage withstanding	U	AC1000V (Peak value)	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	Topr	-	-20 ~ +300	°C

Reliability test

- Intensity
Fix the probe ,Pull the lead by striped wire end with 5N force for 10±1sec.
No visible damage.
- High Temp.Store (In air)
100±3°C, 1000h
 $\Delta R_{25}/R_{25} \leq \pm 3\%$
- Low Temp.Store (In air)
-40±3°C, 1000h
 $\Delta R_{25}/R_{25} \leq \pm 3\%$
- Heat and Humidity Stability
40±2°C 92%RH~98%RH, 240h
 $\Delta R_{25}/R_{25} \leq \pm 3\%$

7		Connector	1	PCS	HX25002-2Y/XH-2Y	Red
6		Terminal	2	PCS	HX25002-PT/XH-PT	
5		Wire	2	PCS	PTFE 26AWG OD1.05 300C	White
4		Heat shrink casing	1	PCS	Heat shrink casing	Black
3		Flange	1	PCS	SUS304 12×20mm	
2		Housing	1	PCS	SUS304 $\phi 4 \times 35$	
1		Component	1	PCS	NTC Thermistor	CIG
No.	PN.	Name	Qty	Unit	Material	Remark

		VERSION	AO	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	<p style="text-align: center;">Temperature Sensor</p> <p style="text-align: center;">MFP-103F3977BT102-0435-HX</p>		
CHECKED					
APPROVED					
CUSTOMER NO	DRAWN NO	2009241-Z-IR4	SIZE		
	PAGE	1	OF	1	A3