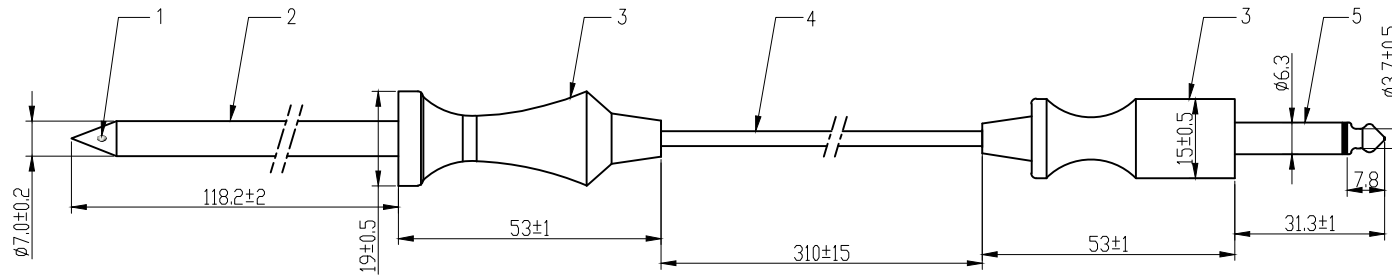


Mark	Num.	Modify files	Signature	Date



Item	Symbol	Test Condition	Performance	Unit
Rated resistance	R ₂₅	+25°C±0.02	50±1%	kohm
B value	B _{25/85}	+25±0.02°C, +85±0.02°C	3977±1%	K
Time constant	τ	In the water	≤ 20	Sec
Dissipation factor	δ	In still air	Approx. 6	mW/°C
Voltage withstanding	U	AC1500V 1S(Peak value)	No destroy or spark	V
Insulation resistance	R _i	DC500V	≥ 100	Mohm
Max.power	P _{MAX}	Ambient Temp.+25°C	60	mW
Maximum Operating Temp.	Topr	-	+200	°C

Operation Notice

1. Application Temperature measure and control.
2. Avoid measure error caused by self heat when over current pass through.

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)
-30±3°C, 1000h
ΔR₂₅/R₂₅ ≤ ±3%
4. Heat and Humidity Stability
40±2°C 92%RH~98%RH, 240h
ΔR₂₅/R₂₅ ≤ ±3%

5		Connector	1	PCS	6.35 Mono track plug	
4		Wire	1	PCS	24AWG Silicone round jacket OD4.2	Black
3		Silicon overmoulding	2	PCS	Silicon overmoulding	Black
2		Housing	1	PCS	SUS316Lø7*0.5*160	Sharp tip house
1		Component	1	PCS	NTC Thermistor	Glass
No.	PN.	Name	Qty	Unit	Material	Remark
				VERSION	A0	WEIGHT
				MATERIAL		UNIT
				SCALE		
				1:1		
				TOLERANCE		
				0~10	±0.1	
				10~100	±0.2	
				100~300	±0.3	
				120~400	±0.5	
		NAME	DATE	Temperature Sensor		
DESIGNED				MFP 503F3977BC301-07160		
CHECKED				CUSTOMER NO	DRAWN NO	2009242-Z-IR4
APPROVED				PAGE	1	OF 1
						SIZE
						A3