



Item	Symbol	Test Condition	Performance	Unit
Rated resistance	R ₂₅	+25°C±0.05	10±1%	kohm
B value	B _{25/85}	25±0.05°C, +85±0.05°C	3435±1%	K
Time constant	τ	in the water	≤ 20	Sec
Dissipation factor	δ	in still air	Approx. 6	mW/°C
Voltage withstanding	U	AC1500V (Peak value)	No destroy or spark	V
Insulation resistance	R _i	DC500V	≥ 100	Mohm
Max.power	P _{max}	Ambient Temp.+25°C	≤ 30	mW
Operating Temp. Range	T _{opr}	-	-20 ~ +100	°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)

-40±3°C, 1000h
ΔR₂₅/R₂₅ ≤ ±3%

4. Heat and Humidity Stability

40±2°C 92%RH~98%RH, 240h
ΔR₂₅/R₂₅ ≤ ±3%

4		Wire	1	PCS	UL4411 22AWG	Black	
3		Epoxy	1	PCS	Epoxy resin	Black	
2		Housing	1	PCS	RNB8-4		
1		Component	1	PCS	NTC Thermistor		
No.	PN.	Name	Qty	Unit	Material	Remark	
					VERSION	AD	WEIGHT
					MATERIAL		UNIT
				SCALE			mm
				2:1			
				TOLERANCE			
				0~10 ±0.1			
				10~100 ±0.2			
				100~300 ±0.3			
DESIGNED		NAME	DATE	CUSTOMER NO			SIZE
CHECKED				DRAWN NO			
				2004131-Z-BR1			