

<b>Dongguan Uchi Electronics Co., Ltd.</b>	No. : S-1703020K
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## Specification For Approval

**Customer name :** \_\_\_\_\_

**Product name :**           **NTC Thermistor**          

**Customer PN :** \_\_\_\_\_

**MFG PN :**           **NSAB1503HD3-301S2M1**          

MFG			Customer Confirmation		
Make	Check	Approval	Test	Check	Approval
HD CHENG	XR LU	DZ LING			

(Company name)

\_\_\_\_\_

Confirm got the spec and accept as our company's warehouse accept standard.

Version	Revise content	Forwarder	Date
A/1	Just made	Cheng	2017-03-03



#### 4、Electrical Performance:

NO	Item	Sign	Test Conditions	Min.	Normal value	Max.	Unit
4-1.	Resistance at 100℃	R100	Ta=100±0.10℃ P <sub>T</sub> ≤0.1mw	3.218	3.300	3.383	kΩ
4-2.	B Value	B0/100	$B=LN \frac{R_{T1}}{R_{T2}} / \left( \frac{1}{T1} - \frac{1}{T2} \right)$	3890.6	3970	4049.4	k
4-3.	Dissipation factor	σ	Ta=25℃ (in air)	Approx 5.0			mW/℃
4-4.	Time constant	τ	25℃→100℃ T1=25+(100-25)*63.2% =72.4℃ (Under water)	Approx 12.0			sec
4-5.	Insulation resistance	/	500VDC 5Sec	≥100			MΩ
4-6.	MAX. Rated power	/	25℃	95			mW
4-7.	Hi-Pot Test	/	1200V AC 1Sec	Max.1.0			mA
4-8.	Operating temp.range	/	/	-30 ~ +250			℃

#### 5、Reliability Test

NO	Item	Technical requirements	Test conditions and method
5-1.	High temp. Storage	$\Delta R/R25 \leq \pm 3\%$ $\Delta B/B \leq \pm 3\%$ No change with withstand voltage、 Insulation performance。 Appearance without damage.	150℃±5℃,1000±24H, 200℃±5℃,150±2H (With reference to the IEC60068-2-2/GB2423.2 test)
5-2.	Low temp. Storage		-40℃±5℃,500±24H (With reference to the IEC60068-2-1/GB2423.1 test)
5-3.	Endure moisture test		Store in environment 40±5℃,90%-95%RH for 1000±24 hrs (With reference to the IEC60068-2-3/GB2423.1 test)
5-4.	Temp. cycle test		-40±2℃×30min→25±2℃×5min→ in 180±5℃ ×30min→25±2℃×5min × 5 cycles
5-5.	Tensile tests		Applying 1 kg force lasts 1 min.
5-6.	Drop test		Free fall into wood floor from height 1M , 3 cycle.

#### 6、Storage Method

6.1 In the process of storage and transportation, per stack height is not more than 4 CTN products.

6.2 Available with all transport method, but avoid the rain, snow of direct or indirect leaching and mechanical damage.

6.3 Products should be stored in the temperature of environment - 10℃ / + 40℃, relative humidity is not more than 75%, environment should not have acid, alkali and corrosion gas or radioactive source.

6.4 Storage Time: 1 Year

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**7、R-T Table : Please contact sales to get attachment**