



**Dongguan AMPFORT Electronics Co., Ltd.**

**东莞市安伏特电子有限公司**

No. : AFT-22319I

Version : A/0

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## Specification For Approval

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

Product name : Ring NTC Thermistor For Car Water Temp Measuring

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

MFG P/N : NSC10750JC-4200

MFG			Customer Confirmation		
Make	Check	Approval	Test	Check	Approval

(Company name)

\_\_\_\_\_

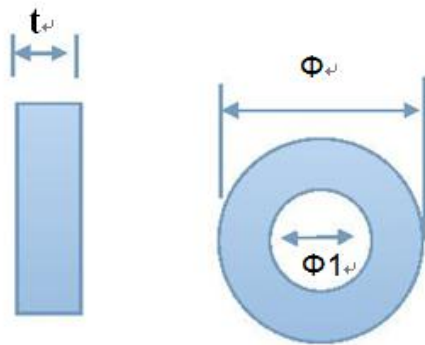
Confirm got the spec and accept as our company' s warehouse accept standard ◦

Version	Revise content	Forwarder	Date
A/0	Just made	Cheng	2022-03-19



1、Overall Dimension

(Unit : mm)



Disc	Tolerance
Φ	5.9~6.3
Φ1	3.0~3.2

2、Electrical Characteristics

NO	Parameter	Symbol	Test Conditions	Min	Nor.	Max.	Unit
a.	Resistance At 25°C	R25	Ta=25°C±0.1°C T<0.5mA	728.5	/	764.8	Ω
b.	Resistance At 80°C	R80	Ta=100°C±0.1°C T<0.5mA	74.6	/	90.6	Ω

3、Maximum Ratings

NO	Parameter	Specification	Unit
a.	Operating Temperature Range	-40 ~ +160	°C
b.	Max. Permissible Current	100	mA
c.	Max. Operation Current	10	mA

4、Part Numbering :

NSC - x    xxxxx    x    x    xxxxx  
 1        2        3        4        5        6

- (1) Automobile Water Temperature Sensors ;
- (2) Series Code (1:Ring; 2:Disk; 03 :) ;
- (3) Resistance of R25 (0685=685 Ω; 0880=880 Ω; 2320=2320 Ω) ;
- (4) Resistance tolerance (%) ;
- (5) B Constant(25-50°C) ;
- (6) Special Code ;



## 5、 Storage Method

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

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

5.3 Products should be stored in the temperature of environment - 10 °C / + 40 °C , relative humidity is not more than 80%, environment should not have acid, alkali and corrosion gas or radioactive source.

## 6、 Others

6.1 Appearance: Surface should flat, no defects, bright silver layer, no oxidation, no bottom exposure and accumulation

### 6.2 Stability

6.2.1 After 48h storage in an electric heating oven at 125°C, the zero-power resistance value changes within  $\pm 2.5\%$ ;

6.2.2 Under the conditions of -40°C and 125°C, after 10 temperature cycle tests, the zero-power resistance value changes within  $\pm 2.5\%$ .