

# 26\*7.5 Square Wiring Ring Type 10K 15K 20K 47K 50K 100K Thermistor **Sensor For Lithium Battery**

## **Basic Information**

. Place of Origin: Dongguan China

Brand Name: linkun

CE / ROHS / UL / TUV / SGS · Certification:

Model Number: NTC Temperature Sensor 50KF3950

15KF3950

 Minimum Order Quantity: Negotiation Negotiation

· Packaging Details: Export Package / Negotiation

Delivery Time: Negotiation

Payment Terms: T/T, L/C, Western Union Supply Ability: 24 million per year



# **Product Specification**

· Application: Electric Water Heater

Theory: NTC Thermistor Temperature Sensor

Type: Thermistor Working Temperature -10 To +105c

Range(°C): Resistance Value:

5K,10K,15K,20K,47K,50K,100K

Dissipation Factor(mw/°C): 1-2 (in Still Air)

· Highlight: 50K NTC Temperature Sensor,

**Practical NTC Temperature Sensor, Heater NTC Water Temperature Sensor** 



# More Images



#### **Product Description**

#### 26\*7.5 Square Wiring Ring Type 10K 15K 20K 47K 50K 100K Thermistor Sensor For Lithium Battery

The temperature output by the NTC temperature sensor is not the current temperature of the object to be measured, and there is usually a certain error. For occasions that require precise measurement, a sensor with a faster response speed should be selected. The probe should be protected during the measurement process. The life of the probe is much lower than the life of the entire measurement system. When the output is incorrect, it should be replaced in time.

In occasions where the response time requirement is not high, a special casing can be used to wrap the NTC temperature sensor probe, which can mainly prolong the use time of the probe, but this will affect the measurement accuracy, and a good balance needs to be weighed between the two. Many thermistors have a coating layer on the surface. To protect the coating layer from being damaged, the coating layer has the function of transmitting temperature and protecting the internal components, and can prevent moisture and corrosion.

#### **Features**

Proven Stability and Reliability,

Cost effective solutions

Variety of metal and plastic housings and tubings designed for specific applications

Potted with different kinds of resin for good sensor protection

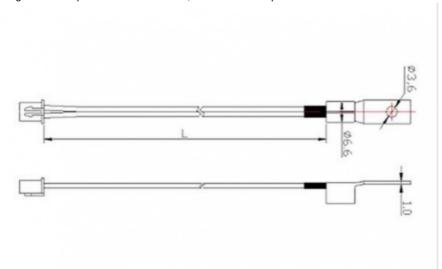
Available with special kinds of cables (2-core cables or stranded with PVC, Silicone, or Kynar insulation, cables with screen & other), connectors and other attachments

Provides good protection from the environment conditions

Proven high voltage strength and dynamic strength

Wide range of Resistance/Temperature, characteristics

Designed for temperature measurement, control and compensation



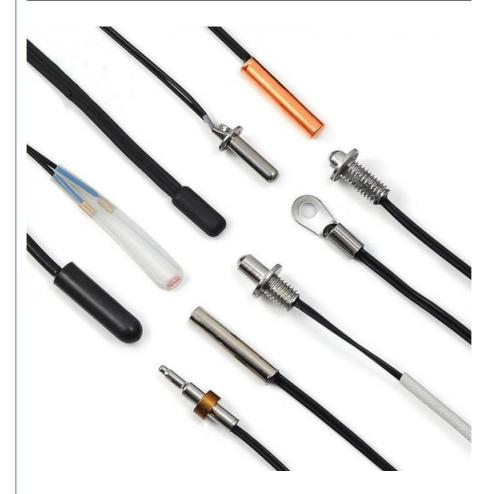
Dongguan Linkun Electronic Technology Co., Ltd.

Main technical parameters of sensor series thermistor:

Model	Rated resistance value (R25)	B value		Operating temperatur	Dissipation coefficient	Thermal time constant
	Resistance value (KΩ)	Allowable deviation (±%)	Nominal value (K)	e	(mW/°C)	(S)
CWF-102-3435	1		3435			
CWF-202-3435	2		3435	]		
CWF-2.252-3950	2.252		3950	1		
CWF-472-3950	4.7		3950	1		
CWF-502-3470	5		3470	1		
CWF-502-3950	5		3950	1		
CWF-682-3950	6.8		3950	1		
CWF-103-3435	10		3435	1		
CWF-103-3470	10		3470	1		
CWF-103-3600	10		3600			
CWF-103-3380	10		3380	1		
CWF-103-3977	10		3977	1		
				]		

CWF-103-4100 10   CWF-153-3950 15   ±1% ±2% ±3% 4100   ±5% 3950   -40°C 120°C   ≥3.0 in still	≤6.0 in
CWF-153-3950 15 ±5% 3950 120°C ≥3.0 in still	airl - I
±3/0   120 C	ا "still air
CWF-203-3950   20   3950	Still all
CWF-233-3950 23 3950	
CWF-303-3950 30 3950	
CWF-333-3977 33 3977	
CWF-403-3950 40 3950	
CWF-473-4013 47 4013	
CWF-503-3977 50 3977	
CWF-503-3990 50 3990	
CWF-503-4050 50 4050	
CWF-104-3950 100 3950	
CWF-104-3990 100 3990	
CWF-104-4200 100 4200	
CWF-204-3892 200 3892	
CWF-204-3917 200 3917	

Temp.deg.C	25deg.C				
R Value	5k 10k 50K 100K				
	Epoxymainly used for indoor				
	Coppermainly used for outdoor				
Shell Type					
Application	air conditioner				
	1. Wide operating temperature range, good stability and reliability.				
	Easy to installation and manipulation as the sealing can be done according to environment				
	and conditions there it is applied by customer.				
	3. Accurate testing can reflect temperature change precisely.				
Features	4. Insulating resistance(MΩ): over 100MΩ at DC500 V				
	5. Working temperature range(°C): -10 to +105c				
	6. Dissipation factor(mw/°C): 1-2 (in still air)				



# Working principle of temperature sensor

Using the NTC thermistor under a certain measurement power, the resistance value drops rapidly as the temperature rises. Utilizing this feature, the NTC thermistor can be used to determine the corresponding temperature by measuring its resistance value, so as to achieve the purpose of detecting and controlling the temperature.



## **Application**









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