



## High Temperature Resistance MF58 MF59 1% 5% 5K 10K 100K 3950 Thermal Resistor For NTC Temperature Sensor Diode 3435 4150

Our Product Introduction

for more products please visit us on [lk-thermistor.com](http://lk-thermistor.com)

### Basic Information

- Place of Origin: China Dong Guan
- Brand Name: lin kun
- Certification: ROHS,UL
- Model Number: NTC thermistor
- Minimum Order Quantity: 5000 PCS
- Price: 0.03-0.045 USD/ PCS
- Packaging Details: Bulk,500pcs per polybag
- Delivery Time: 3-5 workdays
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 20,000,000PCS per week

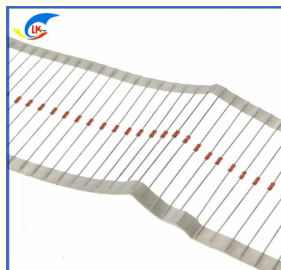


### Product Specification

- Features: High Temperature Resistance
- Model Number: Temperature Measurement NTC Thermistor
- Package / Case: Glass
- B Value At 25/50°C Or 25/85°C: 3950K, 3380K, 3435K, 3470K, 4000K
- Resistance Value: 1K~3M Ohm
- Coating, Housing Type: Glass, Glass
- Package: Customer Requirement
- Product Type: NTC Thermistor
- Function: Temperature Measurement
- Temperature Range: -40~300°C
- Type: Thermal Resistor
- Description: Temperature Measurement NTC Thermistor



### More Images



## Product Description

### Product Description:

High temperature resistance MF58 MF59 1% 5% 5K 10K 100K 3950 Thermal Resistor for NTC Temperature Sensor Diode 3435 4150



MF58 series NTC thermistor is made using semiconductor ceramic technology. The NTC chip is sealed in a glass (DO-35 diode packaging method). It is a high-precision thermal sensing device component with the same appearance as a 4148 diode.

#### (1) Product features

- The NTC chip is sealed in glass, so you can use it in any harsh environment without worry.
- To ensure excellent heat resistance, the product is encapsulated in glass and can work at high temperatures of 300°C with reliable stability.
- The resistance value accuracy is as high as 0.3°C, and the B value accuracy is as high as 0.5%.
- The packaging method and results of its products determine the fast response speed and high sensitivity.
- Due to its small size and light weight, it can be easily placed onto a printed circuit board automatically, making it suitable for automatic plug-in installation and large-scale production.
- After pulling the glass seal tape, the pins can be cut on the equipment.
- The resistance value decreases as the temperature increases, also known as a linear negative temperature coefficient thermistor.
- Since it is made of DHD, its mechanical strength is guaranteed
- Because the production line is fully mechanized, you will get satisfactory prices, materials and delivery times.

#### (2) Application scope

- Large and small household appliances (refrigerators, induction cookers, bread ovens, heaters, smart toilets, microwave ovens, electric fans, soy milk machines, electric water heaters, rice cookers, health pots, egg cookers, water dispensers, etc.) temperature control and thermal protection, etc. circuit.
- Temperature measurement and control circuits for medical, industrial and agricultural, environmental protection, food processing and other equipment.
- LED lighting, lithium battery temperature protection.
- Micro motor number control, quartz crystal oscillation and thermocouple and other temperature compensation circuits.

#### (3) Specifications

example:

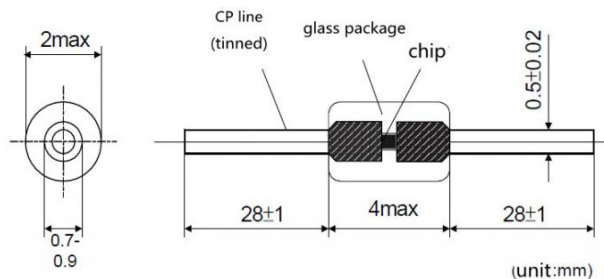
LK --- MF58 --- 233 --- 4200 --- 1

① ② ③ ④ ⑤

Among them, ① represents Linkun Electronic Technology Co., Ltd.

- ②Indicates glass-encapsulated diode NTC thermistor.  
 ③The standard resistance value at 25°C (R25°C), for example: 233, that is, R25°C is 23KΩ.  
 ④B value (B25/50°C) For example: 4200 means B25/50°C is 4200K.  
 ⑤R25°C resistance value accuracy: 1 (±1%), 2 (±2%), 3 (±3%), 5 (±5%), 10 (±10%).

(4) Structure and size



(5) Product list:

Specification	R25°C (KΩ)	R25°C/50°C (K)	Dissipation coefficient (mW/°C)	Time constant (S)	Range of working temperature (°C)
LK-202-3470-1	2KΩ	3470	2.1 mW/°C in static air	10 20S in static air	—40 +300°C
LK-502-3500-1	5KΩ	3500			
LK-103-3550-1	10KΩ	3270			
LK-153-3600-1	15KΩ	3600			
LK-203-3850-1	20KΩ	3850			
LK-303-3900-1	30KΩ	3900			
LK-803-3500-1	80KΩ	3500			
LK-104-4100-1	100KΩ	4100			
LK-254-3950-1	250KΩ	3950			

Note: NTC thermistors of various specifications can be provided with different R value and B value accuracy according to customer requirements.

Sensing element-NTC thermistor used

## NTC/PTC Temperature sensor Type





高品质、高性能测温型NTC热敏电阻是NTC温度传感器的核心和核心

High-quality, high-performance temperature measuring NTC thermistor is the heart and core of NTC temperature sensor



**MF58系列产品是国内首家通过了UL标准中10万次耐久测试的产品**  
The MF58 series products are the first in China to pass the 100,000-time durability test in the UL standard.

#### (5) Precautions

1. The MF58 series thermistor is sealed with glass. Please do not subject it to severe shock or squeezing to prevent the glass tube from breaking.
2. Welding method: Use the method of direct welding between the metal body and the body. Do not use soldering to avoid welding, and the welding time should be controlled within 3.5 seconds.
3. Do not test the MF58 thermistor in the air. The temperature difference in the air is large and the measurement is very inaccurate. There will often be a deviation of more than 1-2°C. A high-precision constant-temperature oil tank must be used for measurement. The measured NTC discharge After entering the constant-temperature oil tank, the temperature of the constant-temperature tank must be stable before measurement.
4. The voltage should be as low as possible during measurement to reduce the measurement error caused by NTC self-heating.
5. When measuring high temperature, a thermometer needs to be used to correct and check the temperature of the thermostatic bath.



**Dongguan Linkun Electronic Technology Co., Ltd.**



13423305709



huangju@lk-ptc.com



lk-thermistor.com

Room 101, No. 21, Huayuanzai Road, Chongmei, Chashan Town, Dongguan City, Guangdong Province