



MF51 100K 3950 Single Ended Glass Sealed NTC Thermistor For Medical Devices

Our Product Introduction

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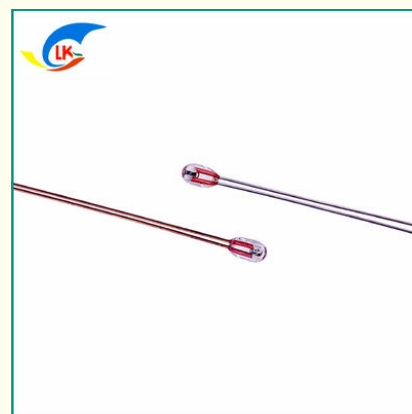
Basic Information

- Place of Origin: China Dong Guan
- Brand Name: lin kun
- Certification: ROHS,UL
- Model Number: MF51 Single-ended glass-sealed NTC thermistor series
- Minimum Order Quantity: 5000 PCS
- Price: 0.09-0.2 USD/ PCS
- Packaging Details: Bulk,500pcs per polybag
- Delivery Time: 7 workdays
- Payment Terms: T/T
- Supply Ability: 20,000,000PCS per week

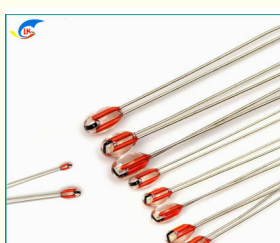
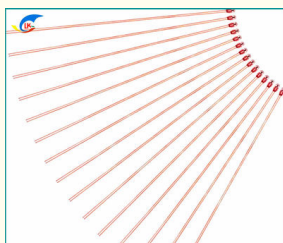
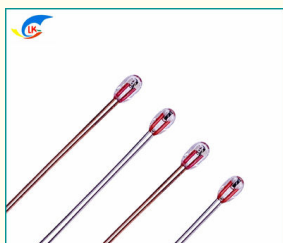


Product Specification

- B-Value 25/50: 3100K-4750K $\pm 1\%$
- Operating Temperature: -55°C To +300°C
- Resistance Range: 1K Ω To 500K Ω
- Thermal Time Constant: 20S
- Tolerance: 2mw/°C
- Product Name: MF51 Single-ended Glass-sealed NTC Thermistor Series
- Dissipation Factor: 22mW/C(In Still Air)
- Shape: Axial Leaded
- Highlight: **Single Ended Glass Sealed NTC Thermistor, NTC Thermistor For Medical Devices**



More Images



Product Description



MF51 100K 3950 Single-ended Glass-sealed NTC Thermistor Series for medical devices

MF51D single-ended glass-sealed thermistor Description:

Linkun Electronics is the first company in China to launch a probe diameter of 0.8MM radial glass-sealed negative temperature coefficient temperature-measuring NTC thermistor. The launch of this new product fills the gap in China and breaks the long-term dependence on imports of miniature high-precision NTC thermistors. This product is mainly suitable for equipment requiring high-speed response or ultra-thin casing and temperature detection in narrow places. Small-volume NTC thermal time parameter: (0.6 seconds) in still air, dissipation parameter: 10mW lead wire and glass at 0.25mW/ between.

Dimensional drawing of thermistor:

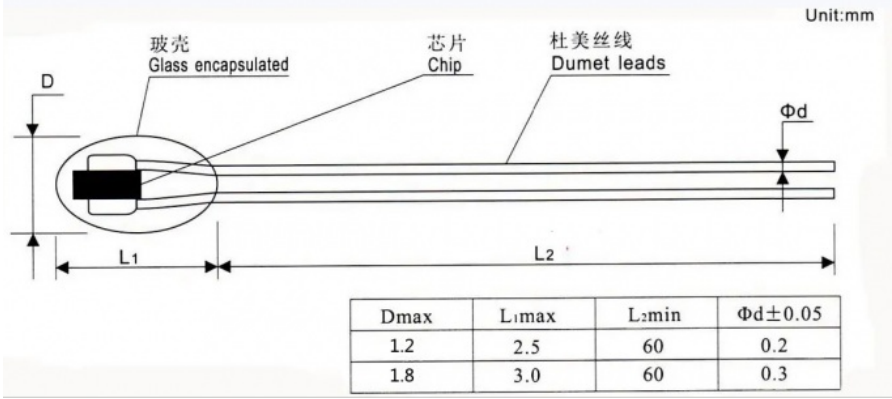
Small volume NTC probe features:

- NTC chip and Du magnesium iron-nickel wire adopt alloy welding process, which has good reliability
 - Wide resistance range of thermistor: 2K ~ 100KΩ @25
 - NTC accuracy: $\pm 0.5^{\circ}\text{C}$ ($0^{\circ}\text{C} \sim 100^{\circ}\text{C}$)
 - Fast response (6s in liquid)
 - Wide operating temperature range: $-40 \sim 300$
 - Lead-free, in line with EU RoHS Directive
- 0.8MM small size NTC thermistor application range:
- Medical application pinhole temperature sensor
 - The light source height control of the printer
 - Temperature control of printer head 3D printer
 - Medical equipment, etc. Medical catheters
 - Electronic cigarette temperature probe
 - Low flow sensing (liquid or gas)
 - Laboratory animal research
 - Shower head temperature control, DNA research

Linkun Electronic Technology has launched a probe diameter of 0.8MM radial glass-sealed negative temperature coefficient temperature-measuring NTC thermistor with complete parameters, among which 10K/3435, 10K/3950, 100K/3950, 50K/3950, etc. have been put into mass production, special parameters It can be customized from Linkun Electronics, a professional

thermistor manufacturer. Our company can provide free samples for customers and friends. Welcome to ask for it.

(3) Structural size:



(4) Specifications:

example:

LK — 51D — 104 — 3950 — 2

Among them:

represents Linkun Electronic Technology Co., Ltd.

indicates a single-ended glass-sealed NTC thermistor.

Standard resistance value at 25°C (R25°C) For example: 104 is 100KΩ.

B value (B25/50°C) For example: 3950 is B25/50°C3950K.

R25°C resistance value accuracy: 1 (±1%), 2 (±2%), 3 (±3%), 5 (±5%)

Specification	R25 (KΩ)	R25 /50 (K)	Dissipation coefficient(mW/)	Time constant (S)	Range of working temperature ()
LK-202-3470-1	2K	4000	2.1 mW/ in static air	5 10S in static air	—50 +350
LK-502-3500-1	5K	3375			
LK-103-3550-1	10K	3435			
LK-153-3600-1	15K	4100			
LK-203-3850-1	20K	4400			
LK-303-3900-1	30K	4090			
LK-803-3500-1	80K	3500			
LK-104-4100-1	100K	4200			
LK-254-3950-1	250K	4850			

(3) Precautions

MF51D series thermistors are glass-sealed, please do not shake, squeeze, and do not pull hard at the root of the two pins, so as not to break the glass tube.

Welding method: The metal body and the body are directly welded for welding. Do not use soldering to avoid false welding. The welding time is controlled within 3.5 seconds

Do not test the MF51D thermistor in the air. The temperature difference in the air is large, and the measurement is very inaccurate. It often produces a deviation of more than 1-2°C. It must be measured with a high-precision constant temperature oil tank, and the measured NTC is placed in the constant temperature oil tank. After that, the temperature of the constant temperature tank must be stable before

Product Name: MF51 Single-ended Glass-sealed NTC Thermistor Series
Shape: Axial Leaded
Resistance Range: 1KΩ To 500KΩ
Tolerance: 2mw/°C
B-Value: 25/50: 3100K-4750K ±1%
Especially designed for MF11 temperature compensated thermistor, MF52 temperature measuring thermistor, MF5 Single-ended glass sealed thermistor.

Technical Parameters:

Parameter	Value
Product Name	MF51 Single-ended Glass-sealed NTC Thermistor Series
Shape	Axial Leaded
Dissipation Factor	22mW/C(In Still Air)
Thermal Time Constant	20S
Operating Temperature	-55°C To +300°C
Allowable Tolerance	±1%, ±2%, ±3%, ±5%
Tolerance	2mw/°C
Rated Power	≤50mW
B-Value	3100K-4750K ±1%
Resistance Range	1KΩ To 500KΩ

Applications:

Lin Kun's MF51 single-ended glass-sealed NTC thermistor series is a reliable and cost-effective solution for a wide range of temperature sensing applications. With a tolerance of 2mw/°C, and an operating temperature range of -55°C to +300°C, this series has the versatility to be used in a variety of applications. It is a preferred choice in the HVAC, automotive, medical, and industrial markets. This series is available in a variety of B-values, such as 25/50: 3100K-4750K ±1%, and a range of tolerances including ±1%, ±2%, ±3%, and ±5%, allowing it to be used in a variety of applications. It is also RoHS and UL compliant, which is a requirement of many industries. The MF51 is available in a variety of shapes, such as axial leaded, and is offered with a minimum order quantity of 5000 pieces and a price of 0.045 USD/ piece. It is also available with quick delivery times of 7 workdays and can be paid for via T/T. With a supply capacity of up to 20,000,000 pieces per week, the MF51 single-ended glass-sealed NTC thermistor series is an excellent choice for customers looking for a reliable and cost-effective solution for their temperature sensing applications.

Customization:

MF51 Single-ended glass-sealed NTC Thermistor Series
Brand Name: Lin Kun
Model Number: MF51 Single-ended glass-sealed NTC thermistor series
Place of Origin: China Dong Guan
Certification: ROHS, UL
Minimum Order Quantity: 5000 PCS
Price: 0.045 USD/ PCS
Packaging Details: Bulk, 500pcs per polybag
Delivery Time: 7 workdays
Payment Terms: T/T
Supply Ability: 20,000,000 PCS per week
Rated Power: ≤50mW
Operating Temperature: -55°C To +300°C
Tolerance: 2mw/°C
Shape: Axial Leaded
Resistance Range: 1KΩ To 500KΩ
Keywords: MF52 temperature measuring thermistor, MF11 temperature compensated thermistor, MF52 temperature measuring thermistor, MF12 temperature compensated thermistor

Support and Services:

NTC Type Thermistor Technical Support and Service
We provide technical support and service for NTC Type Thermistor products. Our highly trained technicians are available to assist with

questions, troubleshooting, and product customization. We can also provide replacement parts and accessories for any of our NTC Type Thermistor products.

Our customer service team is available to answer any questions or concerns about our NTC Type Thermistor products. We strive to provide the most efficient and helpful service to our customers. If you need any assistance, please feel free to contact us.

Packing and Shipping:

Packaging and Shipping NTC Type Thermistor

NTC Type Thermistor can be packaged in a variety of ways, depending on the application and the customer's requirements. Common packaging materials include cardboard boxes, plastic bags, and foam inserts.

For shipping, NTC Type Thermistor must be properly packaged to ensure that the thermistor does not suffer any damage during the shipping process. The thermistors should be carefully inspected before shipping to make sure that they are in good condition and all connections are secure.

When shipping NTC Type Thermistor, it is important to properly label the package with the customer's name and address, along with the contents of the package. This will ensure that the package can be tracked and delivered properly.

FAQ:

Q. What is lin kun MF51 Single-ended glass-sealed NTC thermistor?

A. lin kun MF51 Single-ended glass-sealed NTC thermistor is a temperature sensor which works by measuring the change in resistance of a NTC thermistor in response to the change in temperature.

Q. What is the place of origin?

A. The place of origin is Dong Guan, China.

Q. What certifications does this product have?

A. This product has ROHS and UL certifications.

Q. What is the minimum order quantity?

A. The minimum order quantity is 5000 PCS.

Q. What is the price for each thermistor?

A. The price is 0.045 USD/ PCS.

Q. How is the thermistor packaged?

A. The thermistor is packaged in bulk, with 500pcs per polybag.



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