MF11 5R 10R 22R 50R NTC Thermistor 5mm 5 Ω 10 Ω 22 Ω 50 Ω For PC Power Supply Or Computer Power Supply

Basic Information

- Place of Origin:
- Brand Name:
- Certification: ROHS,UL
- Model Number: MF11 5R /MF11 10R /MF11 22R /MF11 50R

lin kun

Dong Guan China

- Minimum Order 5000 PCS
 Quantity:
- Price: 0.03 USD/ PCS
- Packaging Details: Bulk,1000pcs per polybag
- Delivery Time: 7 workdays
- Payment Terms: T/T
- Supply Ability: 20,000,000PCS per week



Product Specification

•	Model:	MF11 Temperature Compensated NTC Thermistor
•	Lead Length:	30mm
•	 Resistance Value Accuracy(%): 	±5% ±10% ±20%
•	Lead Style:	Straight Lead; Bend Lead
•	Beta Value:	3100~4500
•	• Operating Temperature Range:	-55°C To 125°C
•	Color:	Green, Black
•	Norminal Diameter:	5mm
•	Resistance R25:	5Ω 10Ω 22Ω 50Ω

Highlight:



More Images



5mm ntc thermistor sensor, Straight Lead ntc thermistor sensor

Product Description

<u>5mm NTC thermistor β value is 3100~4500, R25°C 5Ω 10Ω 22Ω 50Ω, MF11 5R 10R 22R</u> <u>50R suitable for wide temperature range</u>

Product Description: MF11 Temperature Compensated NTC Thermistor.pdf

MF11 compensated thermistor



NTC (negative temperature coefficient) thermistor is a heat-sensitive semiconductor resistor whose resistance value decreases with the increase of temperature, and the resistance temperature coefficient is in the range of -2%/k~-6%/k, about 10 times that of the metal resistance temperature coefficient. The change in the resistance value of the NTC thermistor can be caused by the change in the external ambient temperature, or it can be caused by the flow of current and its own heating. Its various uses are based on this property. NTC thermistors are composed of polycrystalline ceramics with mixed oxides. The conductive mechanism of this material is quite complex. Dongguan Linkun electronic Technology Co., LTD is the domestic earlier production NTC thermistor professional manufacturers, the company produces the NTC thermistor is widely used in all kinds of handheld devices and miniaturization of electronic devices, are widely used in all kinds of temperature measurement and temperature compensation, the company production of NTC thermistor with low price, good quality, It can completely replace foreign brands such as Murata, TDK and EPCOS. 1. The scope of application: used for temperature measurement and general accuracy in measuring equipment, temperature compensation of transistor circuit. 2. Characteristics: MF11: B value error range is small, the resistance error range in 5% of the products, its consistency, good interchangeability. MF12: a wide range of impedance values maximum nominal resistance up to 2 m, stability is good.

The scope of application:

used for temperature measurement and general accuracy in measuring equipment, temperature compensation of transistor circuit.

Characteristics:

MF11: B value error range is small, the resistance error range in 5% of the products, its consistency, good interchangeability. MF12: a wide range of impedance values maximum nominal resistance up to 2 m, stability is good.

Model name:



Appearance structure and size:

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Main technical parameters: Time constant \leq 30 s Measuring power \leq 0.1 Mw Use temperature range – 55 to ~ + 125 °C B value and allowable deviations are shown in the table below Dissipation coefficient 6 mW / °C Rated power 0.5 W

Product number:

	25°C when ra power resista	ated zero- anc	B (value)		
Туре	resistance (Ω)	allowable deviation range (%)	(25/50 °C) nominal value (K)	Allow deviation (%)	
MF11	$\begin{array}{c} 3.3 \ 33\\ 6.8 \ 68\\ 15 \ 150\\ 33 \ 330\\ 68 \ 680\\ 150 \ 1500\\ 330 \ 3300\\ 680 \ 6800\\ 1500 \ 15000\\ 3300 \ 33000\\ 6800 \ 68000\\ 15000\\ 33000\\ 33000\\ 68000\\ 68000\\ 68000\\ 150000\\ 500000\\ 500000\\ \end{array}$	±5 ±10 ±20	2700 2830 2950 3100 3250 3400 3570 3740 3900 4050 4250 4450 4670 4800 5050	±5	

Note: Our company can also supply according to the special requirements of users

Reduced power consumption curve:



Rated power 0.5W

Specification and model	Zero power resistance rated at 25°C	Resistance value accuracy(%)	Value	B-value accuracy
MF11-050	5		2400	
MF11-100	10		2800	

MF11-150	15	
MF11-200	20	
MF11-220	22	
MF11-270	27	
MF11-330	33	
MF11-390	39	
MF11-470	47	
MF11-500	50	
MF11-680	68	
MF11-820	82	
MF11-101	100	
MF11-121	120	
MF11-151	150	
MF11-201	200	
MF11-221	220	
MF11-271	270	
MF11-331	330	
MF11-391	390	
MF11-471	470	
MF11-501	500	
MF11-561	560	
MF11-681	680	
MF11-821	820	
MF11-102	1000	
MF11-122	1200	±5
MF11-152	1500	±10 ±20
MF11-202	2000	
MF11-222	2200	
MF11-272	2700	
MF11-302	3000	
MF11-332	3300	
MF11-392	3900	
MF11-472	4700	
MF11-502	5000	
MF11-562	5600	
MF11-682	6800	
MF11-822	8200	
MF11-103	10000	
MF11-123	12000	
MF11-153	15000	
MF11-203	20000	
MF11-303	30000	
MF11-473	47000	

	2800
	2800
	3000
	3000
	3000
	3100
	3100
	3100
	3100
	3200
	3200
	3200
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	3500
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	3500
	3500
	3800
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	3800
	3800
	4000
	4000
	4000
	4000
	4000
	4000
	4050
	4050
	4050
	4050

±5

±10

MF11-503	50000	4300
MF11-683	68000	4300
MF11-104	100000	4500
MF11-124	120000	4700
MF11-154	150000	4700
MF11-204	200000	4700
MF11-304	300000	4700
MF11-504	500000	4800
MF11-105	1000000	4900

Note: Our company can also supply according to the special requirements of customers

MF72 Power NTC Thermistor Series

Applications

Coversion power-supply, switch power, ups power Electronic energy saving lamps,electronic ballast and all kinds of electric heater All kinds of RT, display Bulb and other lighting lamps



Part No.Mf72	R 2 5	Max,Steady Stale Current(A)	Approx. R of Maz.Cur.	Dissi.Coef. (MW/°C)	Thermal time Constant(S)	Operating Temp.(°C)
5D5	5	1	0.353	6	20	
10D5	1 0	0.7	0.771	6	20	
60D5	6 0	0.3	1.878	6	18	
200D5	2 0 0	0.1	18.70	6	18	
5D7	5	2	0.283	10	30	
8D7	8	1	0.539	9	28	

Conventional product electrical performance parameters

1					
10D7	1 0	1	0.616	9	27
12D7	1 2	1	0.816	9	27
16D7	1 6	0.7	1.003	9	27
22D7	2 2	0.6	1.108	9	27
33D7	3 3	0.5	1.485	10	28
200D7	2 0 0	0.2	11.65	11	28
3D9	3	4	0.120	11	35
4D9	4	3	0.190	11	35
5D9	5	3	0.210	11	34
6D9	6	2	0.315	11	34
8D9	8	2	0.400	11	32
10D9	1 0	2	0.458	11	32
12D9	1 2	1	0.652	11	32
16D9	1 6	1	0.802	11	31
20D9	2 0	1	0.864	11	30
22D9	2 2	1	0.950	11	30
30D9	3 0	1	1.022	11	30
33D9	3 3	1	1.124	11	30
50D9	5 0	1	1.252	11	30
60D9	6 0	0.8	1.502	11	30
80D9	8 0	0.8	2.010	11	30
120D9	1 2 0	0.8	3.015	11	30
200D9	2 0 0	0.5	5.007	11	32
400D9	4 0 0	0.2	30.30	11	32
2.5D11	2. 5	5	0.095	13	43
3D11	3	5	0.100	13	43
4D11	4	4	0.150	13	44
5D11	5	4	0.156	13	45
6D11	6	3	0.240	13	45
8D11	8	3	0.255	14	47
10D11	1 0	3	0.275	14	47
10011	1	2	0.462	14	48

16D11	1	2	0.470	14	50	
20D11	2	2	0.512	15	52	
22D11	2	2	0.563	15	52	
	2	-	0.007		50	
30011	0	1.5	0.667	15	52	
33D11	3	1.5	0.734	15	52	
50D11	5 0	1.5	1.021	15	52	
60D11	6 0	1.5	1.215	15	52	
80D11	8 0	1.2	1.656	15	52	
1.3D13	1. 3	7	0.062	13	52	-55~+200
1.5D13	1. 5	7	0.073	13	60	
2.5D13	2. 5	6	0.088	13	160	
3D13	3	6	0.092	14	60	
4D13	4	5	0.120	15	67	
5D13	5	5	0.125	15	68	
6D13	6	4	0.170	15	65	
7D13	7	4	0.188	15	65	
8D13	8	4	0.194	15	60	
10D13	1 0	4	0.206	15	65	
12D13	1 2	3	0.316	16	65	
15D13	1 5	3	0.335	16	60	
16D13	1 6	3	0.338	16	60	
20D13	2 0	3	0.372	16	65	
30D13	3 0	2.5	0.517	16	65	
47D13	4 7	2	0.810	17	65	
120D13	1 2 0	1.2	2.124	16	65	
1.3D15	1. 3	8	0.048	18	65	
1.5D15	1. 5	8	0.052	18	68	
3D15	3	7	0.075	18	69	
5D15	5	6	0.112	18	76	
6D15	6	5	0.155	20	76	
7D15	7	5	0.173	20	80	
8D15	8	5	0.178	20	80	
10D15	1 0	5	0.180	20	80	

12D15	1 2	4	0.250	20	80
15D15	1 5	4	0.268	21	75
16D15	1 6	4	0.276	21	75
20D15	2 0	4	0.288	21	85
30D15	3 0	3.5	0.438	21	70
47D15	4 7	3	0.680	21	86
120D15	1 2 0	1.8	1.652	22	87
0.7D20	0. 7	11	0.018	24	89
1.3D20	1. 3	9	0.037	24	88
3D20	3	8	0.055	24	88
5D20	5	7	0.087	24	87
6D20	6	6	0.113	25	103
8D20	8	6	0.142	25	105
10D20	1 0	6	0.162	25	102
12D20	1 2	5	0.195	25	100
16D20	1 6	5	0.212	25	100
0.7D25	0. 7	12	0.014	30	120
1.5D25	1. 5	10	0.027	30	121
3D25	3	9	0.044	32	124
5D25	5	8	0.070	32	125
8D25	8	7	0.114	33	125
10D25	1 0	7	0.130	32	125
12D25	1 2	6	0.156	32	126
16D25	1 6	6	0.160	35	126















Customization:

Brand Name: lin kun Model Number: NTC thermistor Place of Origin: Dong Guan China 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: 20,000,000PCS per week Color: Green, Black Beta Value: 3100~4500 Lead Style: Straight Lead; Bend Lead Resistance: R25°C=2kΩ Lead Length: 30mm

Our product line offers a variety of options tailored to your needs, including the MF5 Single-ended glass sealed thermistor, MF52 temperature measuring thermistor, and MF11 temperature compensated thermistor.

Support and Services:

Our NTC thermistor product comes with comprehensive technical support and services to ensure optimal performance and efficiency. Our team of experts is available to provide assistance with product selection, application design, and troubleshooting. In addition, we offer custom thermistor design and manufacturing services to meet the unique requirements of your application. Our services include simulation and modeling, prototyping, testing, and quality assurance. We are committed to delivering high-quality products and services that meet or exceed industry standards.

For more information on our technical support and services for our NTC thermistor product, please contact our customer service team.

Packing and Shipping:

Product Packaging:

The NTC Thermistor product will be packed in a sturdy cardboard box with appropriate cushioning material to prevent any damage during shipping. Each thermistor will be individually wrapped in plastic to protect it from moisture and dust. Shipping:

The NTC Thermistor product will be shipped via a reliable courier service. The shipping cost will be calculated based on the weight and destination of the package. Once the order is processed, the estimated delivery time will be provided to the customer. The customer will also receive a tracking number to track their shipment.

FAQ:

Here are some frequently asked questions and answers about the lin kun NTC thermistor: Q: What is an NTC thermistor? A: An NTC thermistor is a type of temperature sensor that changes resistance as the temperature changes. As the temperature increases, the resistance decreases, and vice versa. Q: What is the brand name of this NTC thermistor? A: The brand name is lin kun. Q: Where is this NTC thermistor made? A: It is made in Dong Guan, China. Q: What certifications does this NTC thermistor have? A: It is ROHS and UL certified. Q: What is the minimum order quantity for this NTC thermistor? A: The minimum order quantity is 5000 pieces. Q: What is the price of this NTC thermistor? A: The price is 0.045 USD per piece. Q: What are the packaging details for this NTC thermistor? A: It comes in bulk packaging, with 500 pieces per polybag. Q: What is the delivery time for this NTC thermistor? A: The delivery time is 7 workdays. Q: What are the payment terms for this NTC thermistor? A: The payment terms are T/T. Q: What is the supply ability for this NTC thermistor? A: The supply ability is 20,000,000 pieces per week. Dongguan Linkun Electronic Technology Co., Ltd.

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