MF72 Power Series 5ohm 5A 13mm 5D-13 Surge Current Suppression NTC Thermistor For Power Supply Equipment

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LIN KUN
- Certification: RoHS UL
- Model Number: MF72 5D-13 055
- Minimum Order Quantity: 1000PCS
- Price: Negotiable
- Packaging Details: 500PCS/Bag
- Delivery Time: 5-7 Days
- Payment Terms: D/P, T/T,Paypal, Western Union
- Supply Ability: 1000000PCS/Month

Product Specification

- Product Name: MF72 Series NTC Thermistor
- Resistance Range 25°C): 5 Ohm
- Maximum Steady State Current(A): 5A
- Diameter: 13mm
- Tolerance: ±20%
- Operating Temperature Range: -40°C To +170°C
- Feature: Small Size, Strong Power
- Terminal Type: Radial,
- Lead Wire Material: Tinned Copper Clad Steel Wire
- Heat Dissipation Coefficient(mv/°C) 15(mv/°C)

More Images

Our Product Introduction

for more products please visit us on lk-thermistor.com

Product Description

MF72 Power Series 5ohm 5A 13mm 5D-13 Surge Current Suppression NTC Thermistor for Power Supply Equipment ***MF72 Power NTC Thermistor Series***

LK-MF72 Power Thermistor1.pdf

Small size, high power, strong ability to suppress surge current
Fast response
Material constant (B value) is large, and the residual resistance is small
Long life and high reliability
Complete series, wide application range
●Introduction

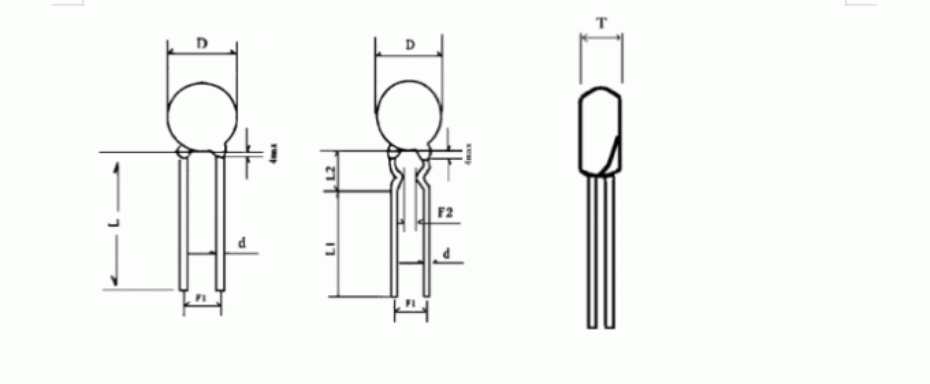
When you turn on an electrical equipment, the surge current can be restrained by a power NTC termistor connected in series with the power circuit. Because of the continuing action of current,temperature of power NTC thermistor raising, the resistance will rapidly drop to a small value, the consumed power can be ignored. So it can't affect normal operating current. Therefore, using power NTC thermistor is a most effectively and most brief measure to restrain surge current, protecting electrical equipment from destruction.

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

●Characteristics
◎Small size, strong power and strong capability of surge current protection.
◎ Fast response to surge current
◎ Big material constant (B value), Small remain resistance
◎Longevity of service. High reliability
◎ Integral series, extensive operating range

● MAIN TECHNICAL PARAMETER

Part No MF 72	Max Steady State Current(A)	Approx.R of Max.Cur.(Ω)	Operating Temp.(℃)	Max surge capacity(UF) 240V/AC
D5	0.1~1	0.353~18.70	-140 ±150	47~100
D7	0.2~2	0.283~11.65	-140 ±150	68~150
D9	0.2~4	0.120~30.30	-140 ±170	47~220
D11	1.2~5	0.095~1.656	-140 ±170	150~470
D13	1.2~7	0.062~2.124	-140 ±200	220~560
D15	1.8~8	0.075~1.652	-140 ±200	330~680
D20	5~11	0.018~0.212	-140 ±200	680~1000
D25	6~12	0.014~0.160	-140 ±200	820~1200



●Dimensions(mm)

Part No Dim(mm) Sym	D max	T max	d ±0.05	F1±1	Straight lead	Kinked lead	
					Lmin	L1min	L2±2
MF72 □D5	7	5	0.6/0.45	5	25	17/5	5
MF72 □D7	9	5	0.6	5	25	17/5	5
MF72 □D9	11	5.5	0.8/0.6	7.5	25	17/5	5
MF72 □D1I	13	5.5	0.8	7.5	25	17/5	5
MF72 □D13	15.5	6	0.8	7.5	25	17/5	5
MF72 □D15	17.5	6	0.8	7.5	25	17/5	5
MF72 □D20	22.5	7	1.0	10	25	/	/
MF72 □D25	27.5	8	1.0	10	25	/	/

MF72 power type NTC thermistor series

Main technical parameters:

D-5 NTC Thermistor

Part Number MF72 NTC	R25 (Ω)	Max steady-state current(A)	Approximate resistance value at maximum current Ω)	Dissipation coefficient approx. (MW /℃)	Thermal time constant approx. (S)	Operating temperature (°C)	UL
3D-5	3	1.3	0.177	7	16	-40 + 150	
5D-5	5	1	0.353	7	16	-40 + 150	√
10D-5	10	0.7	0.771	7	16	-40 + 150	√
20D-5	20	0.5	1.154	6	17	-40 + 150	
60D-5	60	0.3	1.878	6	17	-40 + 150	
200D-5	200	0.1	18.7	5	17	-40 + 150	√

D-7 NTC Thermistor

Part Number MF72 NTC	R25 (Ω)	Max steady-state current(A)	Approximate resistance value at maximum current Ω)	Dissipation coefficient approx. (MW /℃)	Thermal time constant approx. (S)	Operating temperature (°C)	UL
2.5D-7	2.5	3	0.132	11	27	-40 + 150	
3D-7	3	2.5	0.145	11	27	-40 + 150	
5D-7	5	2	0.283	9	23	-40 + 150	√
8D-7	8	1	0.539	9	28	-40 + 150	√
10D-7	10	1	0.616	9	23	-40 + 150	√
12D-7	12	1	0.816	9	23	-40 + 150	
16D-7	16	0.7	1.003	8	23	-40 + 150	√
22D-7	22	0.6	1.108	8	23	-40 + 150	√
33D-7	33	0.5	1.485	8	23	-40 + 150	√
200D-7	200	0.2	11.65	7	21	-40 + 150	√

D-9 NTC Thermistor

Part Number MF72 NTC	R25 (Ω)	Max steady-state current(A)	Approximate resistance value at maximum current Ω)	Dissipation coefficient approx. (MW /℃)	Thermal time constant approx. (S)	Operating temperature (°C)	UL
1.5D-9	1.5	5	0.3	11	36	-40 + 170	
2.5D-9	2.5	4.5	0.06	11	36	-40 + 170	
3D-9	3	4	0.12	11	35	-40 + 170	√
4D-9	4	3	0.19	11	35	-40 + 170	√
5D-9	5	3	0.21	11	34	-40 + 170	√
6D-9	6	2	0.315	11	34	-40 + 170	√
8D-9	8	2	0.4	11	32	-40 + 170	√
10D-9	10	2	0.458	11	32	-40 + 170	√
12D-9	12	1	0.652	11	32	-40 + 170	√
16D-9	16	1	0.802	11	31	-40 + 170	√
20D-9	20	1	0.864	11	30	-40 + 170	√
22D-9	22	1	0.95	11	30	-40 + 170	√
30D-9	30	1	1.022	11	30	-40 + 170	√
33D-9	33	1	1.124	11	30	-40 + 170	√
50D-9	50	1	1.252	11	30	-40 + 170	√
100D-9	100	0.7	1.356	11	28	-40 + 170	
200D-9	200	0.5	1.485	10	28	-40 + 170	
400D-9	400	0.2	1.652	9	25	-40 + 170	

D-11 NTC Thermistor

Part Number MF72 NTC	R25 (Ω)	Max steady-state current(A)	Approximate resistance value at maximum current Ω)	Dissipation coefficient approx. (MW /℃)	Thermal time constant approx. (S)	Operating temperature (°C)	UL
1D-11	1	5.5	0.07	13	46	-40 + 170	
1.5D-11	1.5	5.5	0.085	13	46	-40 + 170	
2.5D-11	2.5	5	0.095	13	43	-40 + 170	√
3D-11	3	5	0.1	13	43	-40 + 170	√
4D-11	4	4	0.15	13	44	-40 + 170	√
5D-11	5	4	0.156	13	45	-40 + 170	√
6D-11	6	3	0.24	13	45	-40 + 170	√
8D-11	8	3	0.255	14	47	-40 + 170	√
10D-11	10	3	0.275	14	47	-40 + 170	√
12D-11	12	2	0.462	14	48	-40 + 170	√
16D-11	16	2	0.47	14	50	-40 + 170	√
20D-11	20	2	0.512	15	52	-40 + 170	√
22D-11	22	2	0.563	15	52	-40 + 170	√
30D-11	30	1.5	0.667	15	52	-40 + 170	√
33D-11	33	1.5	0.734	15	52	-40 + 170	√
50D-11	50	1.5	1.021	15	52	-40 + 170	√
60D-11	60	1.5	1.215	15	52	-40 + 170	√
80D-11	80	1.2	1.656	15	52	-40 + 170	√

D-13 NTC Thermistor

Part Number MF72 NTC	R25 (Ω)	Max steady-state current(A)	Approximate resistance value at maximum current Ω)	Dissipation coefficient approx. (MW /℃)	Thermal time constant approx. (S)	Operating temperature (°C)	UL
1.3D-13	1.3	7	0.062	13	60	-40 + 200	√
1.5D-13	1.5	7	0.073	13	60	40 + 200	√

2.5D-13	2.5	6	0.088	13	60	40 + 200	√
3D-13	3	6	0.092	14	60	40 + 200	√
4D-13	4	5	0.12	15	67	40 + 200	√
5D-13	5	5	0.125	15	68	40 + 200	√
6D-13	6	4	0.17	15	65	40 + 200	√
7D-13	7	4	0.188	15	65	40 + 200	√
8D-13	8	4	0.194	15	60	40 + 200	√
10D-13	10	4	0.206	15	65	40 + 200	√
12D-13	12	3	0.316	16	65	40 + 200	√
15D-13	15	3	0.335	16	60	40 + 200	√
16D-13	16	3	0.338	16	60	40 + 200	√
20D-13	20	3	0.372	16	65	40 + 200	√
30D-13	30	2.5	0.517	16	65	40 + 200	√
47D-13	47	2	0.81	17	65	40 + 200	√
120D-13	120	1.2	2.124	17	65	40 + 200	√

D-15 NTC Thermistor

Part Number MF72 NTC	R25 (Ω)	Max steady-state current(A)	Approximate resistance value at maximum current Ω)	Dissipation coefficient approx. (MW /℃)	Thermal time constant approx. (S)	Operating temperature (°C)	UL
1.3D-15	1.3	8	0.048	18	68	-40 + 200	√
1.5D-15	1.5	8	0.052	18	69	-40 + 200	√
2.5D-15	2.5	7	0.065	18	76	-40 + 200	√
3D-15	3	7	0.075	18	76	-40 + 200	√
5D-15	5	6	0.112	20	76	-40 + 200	√
6D-15	6	5	0.155	20	80	-40 + 200	√
7D-15	7	5	0.173	20	80	-40 + 200	√
8D-15	8	5	0.178	20	80	-40 + 200	√
10D-15	10	5	0.18	20	75	-40 + 200	√
12D-15	12	4	0.25	20	75	-40 + 200	√
15D-15	15	4	0.268	21	85	-40 + 200	√
16D-15	16	1	0.276	21	70	-40 + 200	√
20D-15	20	4	0.288	21	86	-40 + 200	√
30D-15	30	3.5	0.438	21	75	-40 + 200	√
47D-15	47	3	0.68	21	86	-40 + 200	√
120D-15	120	1.8	1.652	22	87	-40 + 200	√
220D-15	220	1	2.0358	24	90	-40 + 20	

D-20 NTC Thermistor

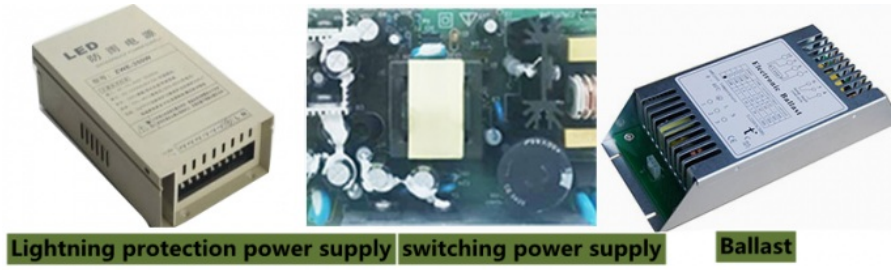
Part Number MF72 NTC	R25 (Ω)	Max steady-state current(A)	Approximate resistance value at maximum current Ω)	Dissipation coefficient approx. (MW /℃)	Thermal time constant approx. (S)	Operating temperature (°C)	UL
0.7D-20	7	11	0.018	27	89	-40 + 200	√
1D-20	1	10	0.023	27	89	-40 + 200	
1.3D-20	1.3	9	0.037	27	88	-40 + 200	√
3D-20	3	8	0.055	25	88	-40 + 200	√
5D-20	5	7	0.087	25	87	-40 + 200	√
6D-20	6	6	0.113	25	103	-40 + 200	√
8D-20	8	6	0.142	25	105	-40 + 200	√
10D-20	10	6	0.162	24	102	-40 + 200	√
12D-20	12	5	0.195	24	100	-40 + 200	√
16D-20	16	5	0.212	24	100	-40 + 200	√
20D-20	20	4.5	0.345	23	115	-40 + 200	
30D-20	30	4	0.492	23	115	-40 + 200	
47D-20	47	3.5	0.675	23	120	-40 + 200	

D-25 NTC Thermistor

Part Number MF72 NTC	R25 (Ω)	Max steady-state current(A)	Approximate resistance value at maximum current Ω)	Dissipation coefficient approx. (MW /℃)	Thermal time constant approx. (S)	Operating temperature (°C)	UL
0.7D-25	0.7	12	0.014	30	120	-40 + 200	
1.5D-25	1.5	10	0.027	30	121	-40 + 200	
3D-25	3	9	0.044	32	124	-40 + 200	
5D-25	5	8	0.07	32	125	-40 + 200	
8D-25	8	7	0.114	33	125	-40 + 200	
10D-25	10	7	0.13	32	127	-40 + 200	
12D-25	12	6	0.156	32	126	-40 + 200	
16D-25	16	6	0.16	35	126	-40 + 200	
20D-25	20	4.5	0.184	35	126	-40 + 200	

Note: Multiple resistance values and pin types can be customized on demand.

Application·Scope



Product Description:

Power NTC Thermistor is the perfect protector for high-power electronic devices. It features a small size and strong power, and can operate in a temperature range from -40°C to +125°C, with a tolerance of ±20%. This MF72 power type negative temperature coefficient thermistor (NTC) can also be used for storage in the same temperature range. This high-performance NTC thermistor is an ideal choice for protecting your electronic devices.

Features:

Product Name: Power NTC Thermistor
Lead Wire Material: Tinned Copper Clad Steel Wire
Usage:: Surge Current Protection
Storage Temperature Range: -40°C To +125°C
Lead Wire Length: 3mm To 30mm
Resistance Range(25°C): 0.5Ω To 400Ω
MF72 power type NTC thermistor
NTC thermistor protector for high power
Overcurrent Protection NTC Thermistor

Technical Parameters:

Property	MF72 Power Type NTC Thermistor
Usage	Surge Current Protection
Lead Wire Material	Tinned Copper Clad Steel Wire
Terminal Type	Radial
Storage Temperature Range	-40°C to +125°C
Tolerance	±20%
Application	Electronic
Resistance Range (25°C)	0.5Ω to 400Ω
Operating Temperature Range	-40°C to +125°C
Lead Wire Length	3mm to 30mm

Feature	Small Size, Strong Power, Inrush Current Suppression

Applications:

LIN KUN Power NTC Thermistor MF72

LIN KUN Power NTC Thermistor MF72 is designed to provide overcurrent protection for high power applications, with RoHS and UL certifications, it is highly reliable and effective. This product is made of tinned copper clad steel wire with small size, strong power and lead wire length from 3mm to 30mm, radial terminal type. It has a storage temperature range of -40°C to +125°C. It is available in 500PCS/Bag with minimum order quantity of 500PCS with a negotiable price and delivery time of 5-7 days. It has a high supply ability of 1000000PCS/Month with payment terms of D/P, T/T,Paypal, Western Union. LIN KUN Power NTC Thermistor MF72 is the perfect choice for high power applications, providing reliable and effective overcurrent protection.

Customization:

LIN KUN MF72 Power NTC Thermistor Customization Service

Brand Name: LIN KUN
Model Number: MF72
Place of Origin: China
Certification: RoHS UL
Minimum Order Quantity: 500 PCS
Price: Negotiable
Packaging Details: 500PCS/Bag
Delivery Time: 5-7 Days
Payment Terms: D/P, T/T,Paypal, Western Union
Supply Ability: 1000000PCS/Month
Features and Specifications

Resistance Range(25°C): 0.5Ω To 400Ω
Temperature Range: -40°C To +200°C
Tolerance: ±20%
Storage Temperature Range: -40°C To +125°C
Usage: Surge Current Protection
Highlights

LIN KUN MF72 Power NTC Thermistor provides high current protection and is used for surge current protection. It features a resistance range of 0.5Ω to 400Ω, temperature range from -40°C to +200°C and storage temperature range from -40°C to +125°C. It is RoHS UL certified and has a tolerance of ±20%.

Support and Services:

Power NTC Thermistor provides technical support and services to ensure that our customers are able to use our products to their fullest potential. Our technical support team is available to assist customers with any issues they may have with our products. We also offer a wide range of services, such as installation and repair services, to ensure that our customers are able to maintain and operate our products safely and effectively.
In addition to technical support and services, we also offer training programs to help our customers better understand and utilize our products. Our training programs are designed to provide comprehensive and in-depth knowledge about our products, as well as how to use them in various applications. We also provide online resources to help our customers find the answers they need quickly and easily.

Packing and Shipping:

Power NTC Thermistor is shipped in a box with the following dimensions: length: 23 cm, width: 30 cm, height: 10 cm. The thermistor is placed in a foam holder and protected by anti-static material. The box is sealed with tape and labeled with the product name and model number. The box is then placed in a cardboard shipping box with the dimensions: length: 35 cm, width: 45 cm, height: 17 cm. The cardboard box is then sealed with tape and labeled with the product name and model number.

FAQ:

Q: What is the Brand Name of Power NTC Thermistor?
A: The Brand Name of Power NTC Thermistor is LIN KUN.
Q: What is the Model Number of Power NTC Thermistor?
A: The Model Number of Power NTC Thermistor is MF72.
Q: Where is Power NTC Thermistor produced?
A: Power NTC Thermistor is produced in China.
Q: What certifications does Power NTC Thermistor have?
A: Power NTC Thermistor has RoHS UL certifications.
Q: What is the minimum order quantity of Power NTC Thermistor?
A: The minimum order quantity of Power NTC Thermistor is 500 PCS.

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