



MZ4 Series PTC Thermistor Chip for Motor Starting 3.7V-22V

Basic Information

- Place of Origin: Guangdong, China
- Minimum Order Quantity: 5000
- Price: \$0.15-0.25



Product Specification

- Operating Voltage: 3.7V~22V
- Temperature Range: 50 ~300
- Resistance Range: 1ohm-10000ohm
- Surface Temperature: R25:M:±20%
- Package Material: Ni + Ag
- Shape: Round
- Zero Power Resistor: 3.3Ω~100Ω
- Maximum Voltage: 160V~500V
- Maximum Current: 4A~15A
- Destruction Voltage: 320V~860V
- Curie Temperature: 105 ~280
- Diameter X Thickness: 16x2.5mm~20x5.0mm
- Power Consumption: 3.2W~4W
- Electrode Type: Ni (plating/sputtering) + Ag (screen Printing)
- Resistor Deviation: ±20% To ±30%



More Images



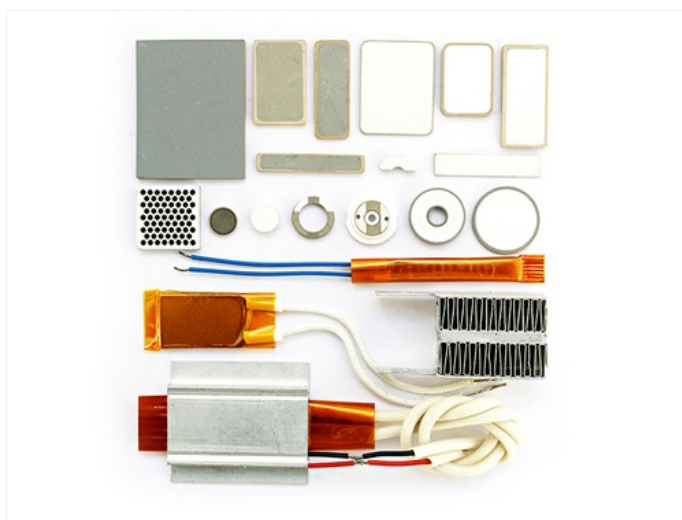
Product Description

Rectangle PTC Ceramic Heater Thermistor Resistor Heater Chip

Product Specifications

Attribute	Value
Application	Auxiliary start of compressors such as refrigerator
Series	MZ4 Series 3.7V~22V 50 ~300 1ohm-10000ohm
Features	Chip
Mounting Type	Chip type
Description	PTC thermistor for motor starting
Type	PTC THERMISTOR
Manufacturer	LinKun
Package / Case	Ni (chemical plating or sputtering) + Ag (screen printing)
Shape	Round
Function	Compressor start-up assistance and inrush current suppression

PTC Thermistor for Heating



Applications

Automotive Industry: Cabin heating for EVs, diesel preheating, windshield washer nozzles, battery pack temperature control

Household Industry: Washing machine door locks, warm air heating, medical equipment, fuel burner oil preheating

Other Applications: Fiber optic communication distributors, camera lenses, plastic welding tools

Key Features

Excellent lifespan characteristics, outperforming nickel-chromium heaters

Built-in temperature regulation and self-control functions

Compact, lightweight design for easy installation

No fire risk during operation

Compatible with bimetallic strip integration

Technical Specifications

Low Voltage Models

High Voltage Models

Notes:

1. □ represents R25 deviation range: M: $\pm 20\%$, X: $\pm 25\%$, N: $\pm 30\%$, S: Special
2. Operating voltage range: 1.5-68V (low voltage), 100-1000V (high voltage)
3. Surface temperature range: 35-350
4. Custom specifications available upon request

PTC Thermistor for Motor Starting

Chip Type (MZ9 Series)



Applications

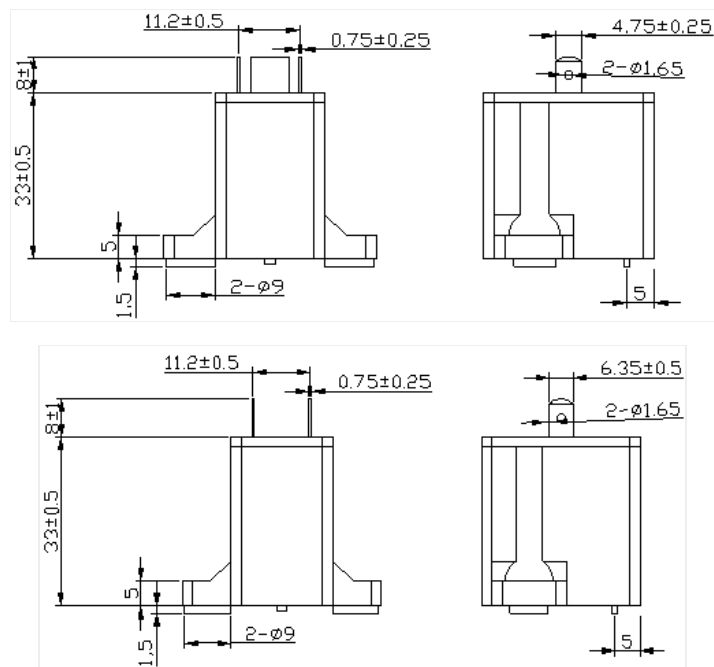
- Auxiliary starting for compressors (refrigerators, air conditioners, heat pumps)
- Single-phase induction motor starting assistance
- Inrush current suppression in power supplies and motor controllers

Features

- Reliable metal electrode construction (Ni+Ag)
- Pressure clamp installation for long service life
- No electrical noise, easy installation
- High voltage and impact current resistance
- Safety certifications: UL/CUL, VDE, CQC, RoHS compliant

Shell Type (MZ92D Series)





Product Gallery

Complete range Other products on display

We will customize according to customer needs, and provide free solutions as long as you have heating needs



Insulated PTC air heater



T-type PTC liquid heater



Tubular PTC heater

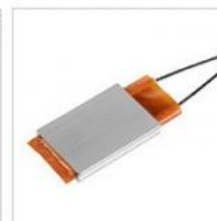


Plate PTC heating sheet



Beauty salon PTC heater



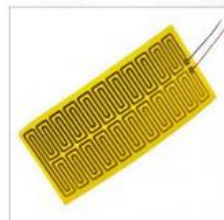
MMH thick film heater



MCH ceramic heater



Tempered glass heating plate



Polyimide alloy heating sheet



Mica heating plate



Aluminum foil heating sheet



Mica electric heating alloy

Product Classification



**Metal flannel
temperature sensor**



**Pipe wire harness
temperature sensor**



**Metal hexagonal
temperature sensor**



**Epoxy resin plastic sealed
temperature sensor**



**Metal cross thread
temperature sensor**



**Metal temperature control shell
Metal aluminum shell
temperature sensor**



**Silicone
temperature sensor**



**Metal cylindrical
Plastic cylindrical
temperature sensor**



**Metal bullet head
temperature sensor**



The MF58 series products are the first in China to pass the 100,000-time durability test in the UL standard.

Factory Strength Display

1

Factory scene

Temperature sensor production site





2

Testing equipment



3

Company Profile



Dongguan Linkun Electronic Technology Co., Ltd. is a technology-based enterprise specializing in the research and development, production and sales of PTC thermistors, NTC thermistors, and varistors. Relying on the strong faculty and advanced scientific research equipment of the School of Materials Science and Engineering of South China University of Technology, the company has also cultivated a group of professional and technical personnel with rich experience in research and development, production and application promotion. For more than 20 years, the company has been committed to the research and development of PTC/NTC products, especially PTC thermistor chips for heating, PTC thermistors for green lighting, PTC thermistors for overheating and overvoltage protection of small power transformers for instruments and meters, PTC thermistors for overcurrent and overvoltage protection of 485 communication interfaces, PTC thermistors for suppressing inrush current, etc., and have withstood the test of time. After hard work, the "LK" trademark PTC thermistors and varistors have become the preferred components in various fields, especially in power meters, industrial inverters, and green lighting industries, and their market share ranks among the best.

The company's PTC thermistor products mainly include: 1. PTC thermistors for motor starting. 2. PTC thermistors for heating. 3. Ordinary PTC thermistors for transformer overcurrent and overload protection. 4. Composite thermistors for overcurrent and overload protection of switching power supplies and transformers. 5. Thermistors for 485 communication interface protection. 6. Anti-attack modules for bayonet and meter bayonet protection. 7. PTC thermistors for relay contact protection. 8. PTC thermistor for excitation inrush current limitation.

4 Certificate display



5 Packaging & Transportation



PAYMENT T/T, Western Union, MoneyGram, Paypal

DELIVERY Safe, Fast, and Effective

PAYMENT LOGOS: VISA Electron, PayPal, MasterCard, DISCOVER, DELTA, WESTERN UNION

DELIVERY LOGOS: UPS, FedEx Express, DHL, TNT, EMS



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