



19mm PTC Heating Chip MZ4 Series 3.7V Ceramic Thermistor

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: LinKun
- Minimum Order Quantity: 5000
- Price: \$0.55-0.60



Product Specification

- Diameter: 19mm \pm 0.2
- Thickness: 1.5~6mm
- Voltage Range: 3.7V~350V
- Surface Temperature: 50C-300C
- Resistance @25°C: 1~100000 Ohm
- Material: Ceramic Composition Silver Electrode/aluminum Electrode
- Mounting Type: Surface Mount
- Shape: Round
- Curie Temperature: 50C-300C
- Operating Voltage: 1.5-68V (low Voltage), 100-1000V (high Voltage)
- Maximum Voltage: 18V (low Voltage), 270V (high Voltage)
- Zero Power Resistor: 1~100000 Ohm
- Power Consumption: 3.2W (shell Type)
- Maximum Current: 40A (chip Type), 15A (shell Type)



More Images



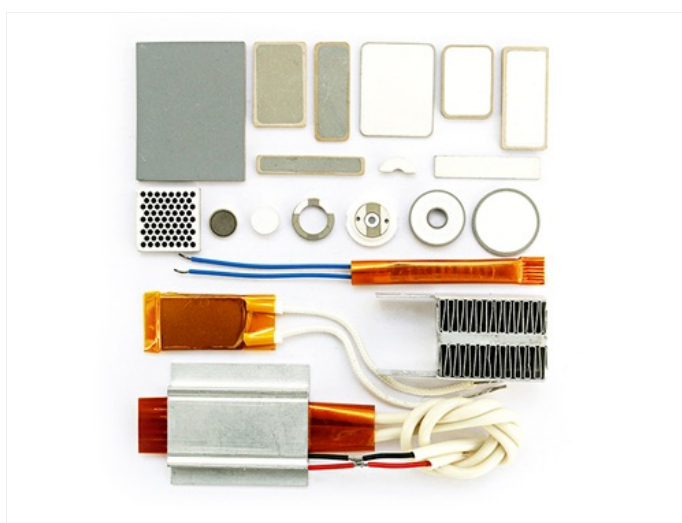
Product Description

Diameter 19mm PTC Heating Chip Constant Temperature Medical Equipment Car Heater 150°C 3.7V 1-2Ω High Quality Resistor

Product Attributes

| Attribute | Value |
|---------------------------|---|
| Application | Heating PTC thermistor |
| Series | MZ4 Series |
| Features | Constant temperature fever |
| Mounting Type | Surface Mount |
| Description | MZ4 heating PTC thermistor |
| Manufacturer Part Number | MZ4P6S1915-1-3RS3V7/65 |
| Type | PTC THERMISTOR |
| Manufacturer | LKPTC |
| Package / Case | Tweezers + silver electrode |
| Shape | Round |
| Diameter | 19mm±0.2 |
| Thickness | 1.5~6mm |
| Voltage | 3.7V~350V |
| Resistance in Ohms @ 25°C | 1 ~100000 Ohm |
| Function | Temperature regulation and automatic control function |
| Material | Ceramic Composition/Silver electrode/aluminum electrode |

PTC Thermistor for Heating

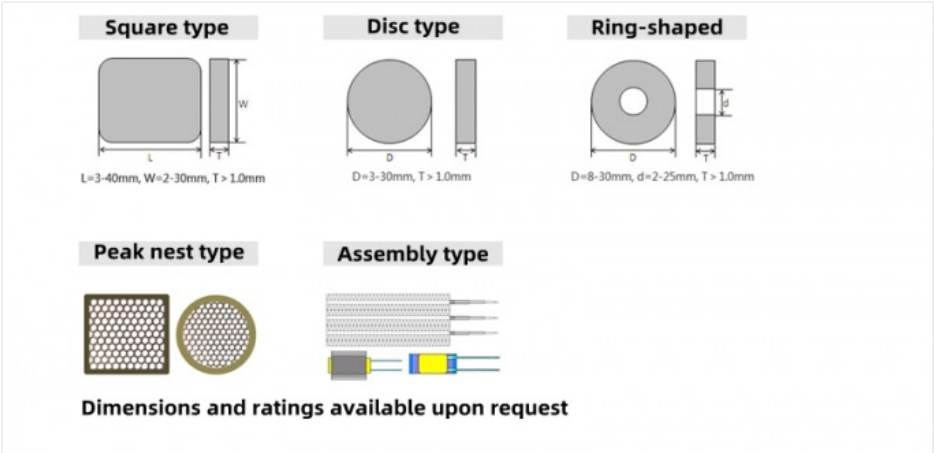


Applications

- **Automotive Industry:** Cabin heating for electric vehicles, diesel preheating, windshield washer nozzles, battery pack temperature regulation
- **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 equipment

Key Features

- Extended service life compared to nickel-chromium heaters
- Built-in temperature regulation and self-control functions
- Compact and lightweight design for easy installation
- No fire risk during operation
- Available in low voltage (1.5-68V) and high voltage (100-1000V) variants



Low Voltage Models and Parameters

| Product Number | Curie Temp (°C) | Surface Temp (°C) | 25°C Resistance (Ω) | Operating Voltage (V) | Max Voltage (V) | Size (mm) |
|------------------------|-----------------|-------------------|---------------------|-----------------------|-----------------|-----------|
| MZ4X1Φ190415-2R0□9/40 | 0 | 40 | 2 | 9 | 18 | Φ19.0×1.5 |
| MZ4P4S1210-9R0□V12/70 | 40 | 70 | 9 | 12 | 30 | Φ12.0×1.0 |
| MZ4P6S1210-9R0□V12/80 | 60 | 80 | 9 | 12 | 30 | Φ12.0×1.0 |
| MZ4P8S1210-9R0□V12/95 | 80 | 95 | 9 | 12 | 30 | Φ12.0×1.0 |
| MZ4P9S0825-360□V24/115 | 90 | 115 | 36 | 24 | 30 | Φ8.5×2.5 |

High Voltage Models and Parameters

| Product Number | Curie Temp (°C) | Surface Temp (°C) | 25°C Resistance (Ω) | Operating Voltage (V) | Max Voltage (V) | Size (mm) |
|-------------------------|-----------------|-------------------|---------------------|-----------------------|-----------------|-----------|
| MZ4P5S1220-122□V230/100 | 50 | 100 | 1200 | 230 | 270 | Φ11.8×2.0 |
| MZ4P9S1220-122□V230/125 | 90 | 125 | 1200 | 230 | 270 | Φ11.8×2.0 |
| MZ4X2S1325-102□V110/135 | 120 | 135 | 1000 | 110 | 140 | Φ13.0×2.5 |
| MZ4X1S0803-422□V230/135 | 110 | 135 | 4200 | 230 | 270 | Φ8.0×3.0 |
| MZ4X1S1220-122□V230/140 | 110 | 140 | 1200 | 230 | 270 | Φ11.8×2.0 |

Notes: □ represents the deviation range of R25 (M: ±20%, X: ±25%, N: ±30%, S: Special). Other specifications or parameters can be customized.

PTC Thermistor for Motor Starting

Chip Type (MZ9 Series)

LK-PTC



Applications

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

Features

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

Chip Type Models and Parameters

| Product Number | 25°C Resistance (Ω) | Max Voltage (V) | Max Current (A) | Destruction Voltage (V) | Curie Temp (°C) | Size (mm) |
|-----------------|---------------------|-----------------|-----------------|-------------------------|-----------------|-----------|
| MZ9-3R3□X3S1625 | 3.3 | 160 | 12 | 320 | 135 | 16×2.5 |
| MZ9-3R9□X3S1625 | 3.9 | 180 | 12 | 360 | - | 16×2.5 |
| MZ9-4R7□X3S1625 | 4.7 | 180 | 12 | 420 | - | 16×2.5 |
| MZ9-5R0□X0S1625 | 5 | 200 | 12 | 480 | 105 | 16×2.5 |
| MZ9-5R5□X2S1625 | 5.5 | 200 | 12 | 450 | 120 | 16×2.5 |

Shell Type (MZ92D Series)



Shell Type Models and Parameters

| Product Number | 25°C Resistance (Ω) | Max Voltage (Vac) | Max Current (A) | Power Consumption (W) |
|----------------|---------------------|-------------------|-----------------|-----------------------|
| MZ92D-3R9□ | 3.9 | 160 | 12 | 4 |
| MZ92D-4R7□ | 4.7 | 180 | 12 | 3.5 |
| MZ92D-5R0□ | 5 | 180 | 12 | 3.5 |
| MZ92D-6R8□ | 6.8 | 200 | 15 | 3.5 |
| MZ92D-10R□ | 10 | 200 | 15 | 3.5 |

Notes: □ represents the deviation range of R25 (M: ±20%, X: ±25%, N: ±30%, S: Special). Other specifications or parameters can be customized.

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

VISA Electron PayPal MasterCard DISCOVER DELTA WESTERN UNION

DELIVERY Safe, Fast, and Effective

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