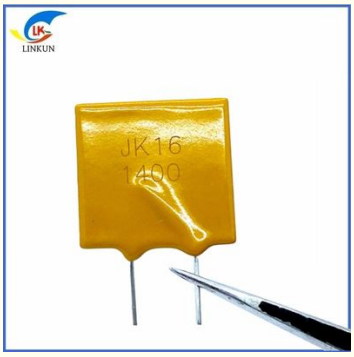
# JK16-1400 14A 16V Self-Resetting Fuse PPTC Thermistor With UL Certificate

Our Product Introduction

## Basic Information

- Place of Origin: China
- Brand Name: LINKUN
- Certification: RoHS
- Model Number: JK16
- Minimum Order Quantity: 1000PCS
- Price: US $0.2 ~ 0.6 PCS
- Packaging Details: 1000PCS/Bag
- Delivery Time: 5-7 days
- Payment Terms: T/T, D/P, D/A, Western Union, MoneyGram
- Supply Ability: 100,000 pieces/month

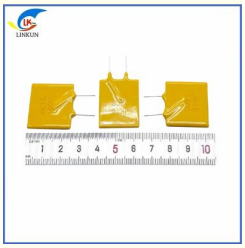


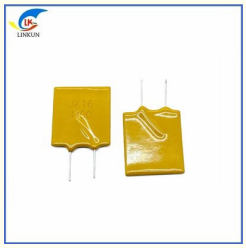

## Product Specification

- Maximum Breaking Current: 2800MA
- Rated Voltage DC: 16VDC
- Rated Voltage AC: 16VAC
- Fusing Capacity Recovery Type: Self-recovery Type
- Fusing Characteristics: Fast Type
- Rated Current: 1200MA
- Maximum Fusing Time: 8S
- Dimensions: Small
- Fuse Material: Silver-tin Alloy
- Cold Resistance (minimum): See The Specification
- Fusing Resistance (maximum): Check The Specification
- Temperature Control Range: -40 +85 ( )




## More Images







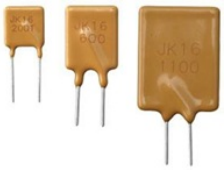
Our Produc

## Product Description

**Polymer PTC Resettable Fuse JK16 Series**

**Features:**

RoHS Compliant Halogen Free
Radial-leaded Devices
Cured,flame retardant epoxy polymer insulating material meets UL94V-0 requirements
Operation Current: 0.1A~14A ,Maximum Voltage: 16Vdc, Operating Temperature:-40 TO 85
Agency recognition:TUV



**Product Dimensions**

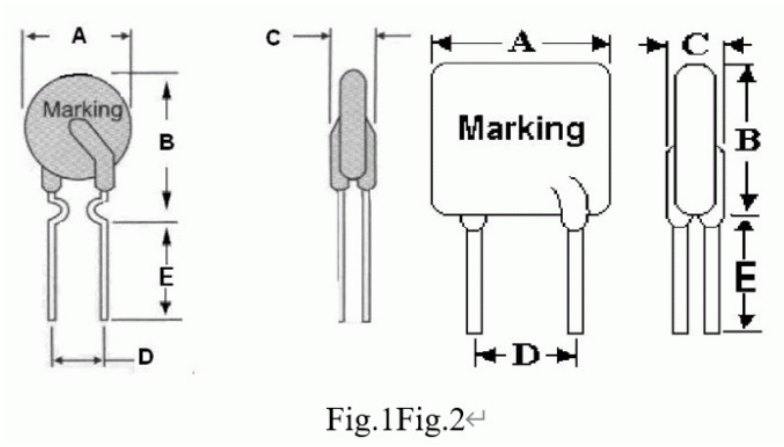



Fig.1Fig.2↵

Unit :mm
JK16 Series

| Model | Dimensions(mm) | | | | | Lead material | Shape |
|---|---|---|---|---|---|---|---|
| | A(max) | B(max) | C(max) | D | E(min) | Tinned metal(mm) | Fig |
| JK16-010(T) | 5.5 | 12.0 | 3.0 | 5.1±0.75 | 4.6 | 24 AWG/Φ0.5 | 1 |
| JK16-025(T) | 5.5 | 12.0 | 3.0 | 5.1±0.75 | 4.6 | 24 AWG/Φ0.5 | 1 |
| JK16-030(T) | 5.5 | 12.0 | 3.0 | 5.1±0.75 | 4.6 | 24 AWG/Φ0.5 | 1 |
| JK16-050(T) | 5.5 | 12.0 | 3.0 | 5.1±0.75 | 4.6 | 24 AWG/Φ0.5 | 1 |
| JK16-075(T) | 5.5 | 13.5 | 3.0 | 5.1±0.75 | 4.6 | 24 AWG/Φ0.5 | 1 |
| JK16-090(T) | 7.4 | 13.5 | 3.0 | 5.1±0.75 | 4.6 | 24 AWG/Φ0.5 | 1 |
| JK16-110(T) | 7.4 | 13.5 | 3.0 | 5.1±0.75 | 4.6 | 24 AWG/Φ0.5 | 1 |
| JK16-135(T) | 7.4 | 13.5 | 3.0 | 5.1±0.75 | 4.6 | 24 AWG/Φ0.5 | 1 |
| JK16-160(T) | 7.4 | 14.0 | 3.0 | 5.1±0.75 | 4.6 | 24 AWG/Φ0.5 | 1 |
| JK16-200(T) | 9.0 | 12.0 | 3.0 | 5.1±0.75 | 4.6 | 24 AWG/Φ0.5 | 2 |
| JK16-300 | 9.0 | 12.0 | 3.0 | 5.1±0.75 | 4.6 | 20 AWG/Φ0.8 | 2 |
| JK16-400 | 10.0 | 13.0 | 3.0 | 5.1±0.75 | 4.6 | 20 AWG/Φ0.8 | 2 |
| JK16-500 | 11.8 | 17.5 | 3.0 | 5.1±0.75 | 4.6 | 20 AWG/Φ0.8 | 2 |
| JK16-600 | 11.8 | 17.5 | 3.0 | 5.1±0.75 | 4.6 | 20 AWG/Φ0.8 | 2 |
| JK16-700 | 13.5 | 23.0 | 3.0 | 5.1±0.75 | 4.6 | 20 AWG/Φ0.8 | 2 |
| JK16-800 | 13.5 | 23.0 | 3.0 | 5.1±0.75 | 4.6 | 20 AWG/Φ0.8 | 2 |
| JK16-900 | 15.0 | 24.0 | 3.0 | 5.1±0.75 | 4.6 | 20 AWG/Φ0.8 | 2 |
| JK16-1000 | 18.0 | 26.0 | 3.0 | 5.1±0.75 | 4.6 | 20 AWG/Φ0.8 | 2 |
| JK16-1100 | 18.0 | 26.0 | 3.0 | 5.1±0.75 | 4.6 | 20 AWG/Φ0.8 | 2 |
| JK16-1200 | 22.5 | 26.0 | 3.0 | 10.2±0.75 | 4.6 | 20 AWG/Φ0.8 | 2 |
| JK16-1300 | 24.0 | 30.0 | 3.0 | 10.2±0.75 | 4.6 | 20 AWG/Φ0.8 | 2 |
| JK16-1400 | 24.0 | 30.0 | 3.0 | 10.2±0.75 | 4.6 | 20 AWG/Φ0.8 | 2 |

Note: Dimensions in the A, B, C are the maximum sizes, all typical values of D is at the tolerance of ± 0.75mm.

**Thermal Derating Chart-IH(A)**

| Model | Maximum ambient operating temperature( ) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -40 | -20 | 0 | 25 | 30 | 40 | 50 | 60 | 70 | 85 |
| JK16 series | 147% | 132% | 120% | 100% | 90% | 88% | 80% | 71% | 61% | 47% |

**Electrical Characteristic**

| Electrical Characteristics | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Model | $I_H$ (A) | $I_T$ (A) | Vmax | Imax | $P_d$ | Maximum Time-to-Trip | | Resistance(mΩ) | |
| | | | V(DC) | A | W | Current(A) | Time(S) | $R_{min}$ | $R_{max}$ |
| JK16-010(T) | 0.1 | 0.3 | 16 | 100 | 0.38 | 0.5 | 5 | 1500 | 7500 |
| JK16-025(T) | 0.25 | 0.5 | 16 | 100 | 0.45 | 1.25 | 5 | 500 | 1950 |
| JK16-030(T) | 0.3 | 0.6 | 16 | 100 | 0.49 | 1.5 | 5 | 300 | 700 |
| JK16-050(T) | 0.5 | 1.0 | 16 | 100 | 0.56 | 2.5 | 5 | 200 | 500 |
| JK16-075(T) | 0.75 | 1.5 | 16 | 100 | 0.72 | 3.75 | 5 | 100 | 320 |
| JK16-090(T) | 0.9 | 1.8 | 16 | 100 | 0.83 | 4.5 | 5 | 90 | 180 |
| JK16-110(T) | 1.1 | 2.2 | 16 | 100 | 0.94 | 5.5 | 5 | 60 | 150 |
| JK16-135(T) | 1.35 | 2.7 | 16 | 100 | 1.2 | 6.75 | 5 | 40 | 130 |
| JK16-160(T) | 1.6 | 3.2 | 16 | 100 | 1.4 | 8 | 5 | 40 | 110 |
| JK16-200(T) | 2 | 4 | 16 | 100 | 2.2 | 6 | 15 | 35 | 75 |
| JK16-300 | 3 | 6 | 16 | 100 | 2.3 | 9 | 15 | 20 | 60 |
| JK16-400 | 4 | 8 | 16 | 100 | 2.4 | 12 | 15 | 20 | 40 |
| JK16-500 | 5 | 10 | 16 | 100 | 2.6 | 15 | 15 | 14 | 25 |
| JK16-600 | 6 | 12 | 16 | 100 | 2.8 | 18 | 15 | 10 | 21 |

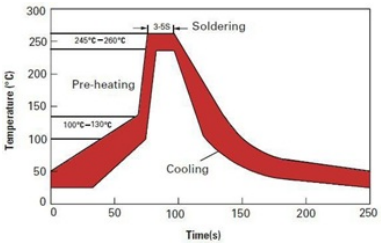
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| JK16-700 | 7 | 14 | 16 | 100 | 3.0 | 21 | 15 | 8 | 15 |
| JK16-800 | 8 | 16 | 16 | 100 | 3.0 | 24 | 15 | 6 | 13 |
| JK16-900 | 9 | 18 | 16 | 100 | 3.3 | 27 | 25 | 4 | 12 |
| JK16-1000 | 10 | 20 | 16 | 100 | 3.7 | 30 | 30 | 4 | 11 |
| JK16-1100 | 11 | 22 | 16 | 100 | 3.7 | 33 | 30 | 3 | 9 |
| JK16-1200 | 12 | 24 | 16 | 100 | 4.2 | 36 | 30 | 3 | 8 |
| JK16-1300 | 13 | 26 | 16 | 100 | 4.2 | 39 | 50 | 3 | 8 |
| JK16-1400 | 14 | 28 | 16 | 100 | 4.2 | 40 | 50 | 3 | 7 |

$I_H$=Hold current:maximum current at which the device will not trip at 25  still air.
$I_T$=Trip current:minimum current at which the device will nalways at 25  still air.
$V_{max}$=Maximum voltage device can withstand without damage at rated current.
$I_{max}$=Maximum fault current device can withstand tithout damage at rated voltage.
$T_{trip}$=Maximum time to trip(s) at assigned current.
$P_d$=Typical power dissipation:typical amount of power dissipated by the decice when in state air environment.
$R_{min}$=Minimum device resistance at 25  prior to tripping.
$R_{max}$=Maximum device resistance at 25  prior to tripping.

**Environmental Specifications**

| Test | Conditions | Resistance change |
|---|---|---|
| Passive Aging | +85 ,1000hours | ≤Rmax |
| Humidity Aging | +85 ,85%R.H.1000hours | ≤Rmax |
| Thermal Shock | +125  to -55 ,10 Times | ≥Rmin |
| SolventResistance | MIL-STD-202,Method 215F | No change |
| Vibration | MIL-STD-202,Method 201 | No change |

Solder reflow conditions




Wave Soldering:
Soldering Temperature:260 ~270  Soldering Time:≤3sec.
Soldering Position: Resettable fuse wire and the bottom ≥ 6mm.
Manual soldering:
Soldering Temperature:250 ~280  Soldering Time: ≤3sec.
Soldering Position: Resettable fuse wire and the bottom ≥ 6mm.

**Packaging and Storage**

Packaging
JK16-010(T) JK16-600 1000Pcs/Bag or 2000Pcs/Box
JK16-700 JK16-900 500 Pcs/Bag
JK16-1000 JK16-1400 200 Pcs/Bag

**Storage**

The maximum ambient temperature shall not exceed 40 .Storage temperatures higher than 40  could result in the deformation of packaging materials.The maximum relative humidity recommended for storage is 70%.High humidity with high temperature can accelerate the oxidation the oxidation of the solder plating on the termination and reduce the solderability of the components.sealed plastic bags with desiccant shall be used to teduce the oxidation of the termination and shall only be opened prior to use.the products shall not be stored in areas where harmful gases containing sulfu of chlorine are present.

**Warning:**

Please read this specification before use the product.
Using of this product must be sure to follow the requirement of this specification,operation beyond the specified maximum ratings or improper use may result in damage and possible electrical arcing and flame.
PPTC resettable fuses are intended for occasional over current protection. Application for repeated over current condition or prolonged trip are not anticipated.
Please avoid contact of PPTC resettable fuses with chemical solvent. Prolonged contact will damage the device performance. You are requested not to use our product deviating from the agreed specifications.

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