



# SMD 0603 Chip Fuse 250mA~5A 32V 63V One Time Blow Lead Free Chip Fuse

Our Product Introduction

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## Basic Information

- Place of Origin: China DongGuang
- Brand Name: LINKUN
- Certification: UL ROHS
- Model Number: 0603 T
- Minimum Order Quantity: 2000 pieces
- Price: Negotiation
- Packaging Details: 5,000 pieces of fuses in plastic or paper taper
- Delivery Time: 5-7 days
- Payment Terms: D/P, Western Union
- Supply Ability: 100,000 pieces/month



## Product Specification

- Rated Current: 0.25mA-8A
- Voltage: 32V 63V
- Type: Time-delay
- Size: 0603 (1.6x0.81x0.65mm)
- Series: 06.100 Series
- Design: Solder-free
- Feature: Halogen Free And Lead-free
- Breaking Capacity: 50A
- High Light: 0603 Surface Mount Fuses, 32V 0603 Fuse
- Highlight: **SMD 0603 Chip Fuse, 63V Chip Fuse, Lead Free Chip Fuse**



## More Images



## Product Description

### SMD0603 Chip Fuse 250mA~5A 32V 63V One-Time Blow Fuse Lead-Free Chip Fuse

#### Product Description:

0603 Ceramic Body Time-delay Slow Blow Acting Time-lag SMD Fuses Surface Mount Chip Fuse

06.100 Series 0.25~8A 63Vdc/32Vdc

#### Description

- 1.6x0.81x0.65mm physical size
- Solder-free design
- Designed to UL248-1.
- RoHS compliant, Halogen free and Lead-free

#### Specifications

| Part No.     | Rated Voltage (Vdc) | Rated Current(A) | Breaking Capacity(A) | Typical Cold Resistance (mOhms) | Typical Voltag Drop (mV) | Typical Pre-Arcing I <sup>2</sup> t(A <sup>2</sup> Sec) | Alpha Mark |
|--------------|---------------------|------------------|----------------------|---------------------------------|--------------------------|---|------------|
| 06.100.0.25  | 63                  | 0.25             | 50A                  | 3100                            | 1435                     | 0.0012  | D          |
| 06.100.0.375 |                     | 0.375            |                      | 1600                            | 1250                     | 0.0028  | E          |
| 06.100.0.5   |                     | 0.5              |                      | 1000                            | 750                      | 0.005   | F          |
| 06.100.0.75  |                     | 0.75             |                      | 440                             | 550                      | 0.015   | G          |
| 06.100.1     |                     | 1                |                      | 240                             | 310                      | 0.035   | B          |
| 06.100.1.5   |                     | 1.5              |                      | 125                             | 250                      | 0.08  | H          |
| 06.100.2     |                     | 2                |                      | 68                              | 170                      | 0.16  | K          |
| 06.100.2.5   |                     | 2.5              |                      | 52                              | 200                      | 0.29  | L          |
| 06.100.3     |                     | 3                |                      | 34                              | 155                      | 0.32  | O          |
| 06.100.3.5   |                     | 32               |                      | 3.5                             | 22                       | 130   | 0.54       |
| 06.100.4     | 4                   |                  | 20                   | 100                             | 0.95                     | S   |            |
| 06.100.5     | 5                   |                  | 13                   | 95                              | 1.8                      | T   |            |
| 06.100.6     | 6                   |                  | 8.5                  | 80                              | 2.9                      | V   |            |
| 06.100.7     | 7                   |                  | 6.5                  | 80                              | 3.5                      | X   |            |
| 06.100.8     | 8                   |                  | 5.3                  | 75                              | 4.8                      | Z   |            |

#### Dimensions (Unit: mm)

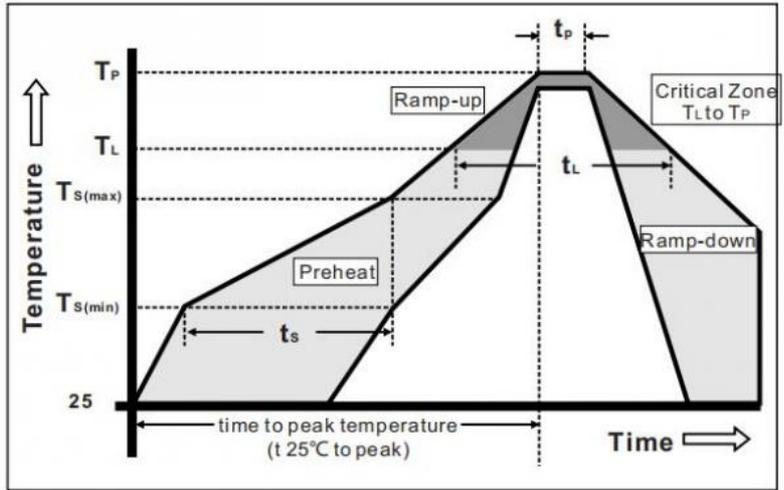


#### Electrical Characteristics

| Rated Current | 1.0I <sub>n</sub> | 2.0I <sub>n</sub> | 2.5I <sub>n</sub> | 3.5I <sub>n</sub> |
|---------------|-------------------|-------------------|-------------------|-------------------|
| 250mA~750mA   | 4.0 hour min      | -                 | -                 | 5.0 sec max       |
| 1~5A          | 4.0 hour min      | 1.0 sec-60.0sec   | 5.0 sec max       | -                 |
| 6~7A          | 4.0 hour min      | 1.0 sec-60.0sec   | -                 | -                 |
| 8A            | 4.0 hour min      | -                 | 5.0 sec max       | -                 |

#### 1 Wave Soldering Parameters

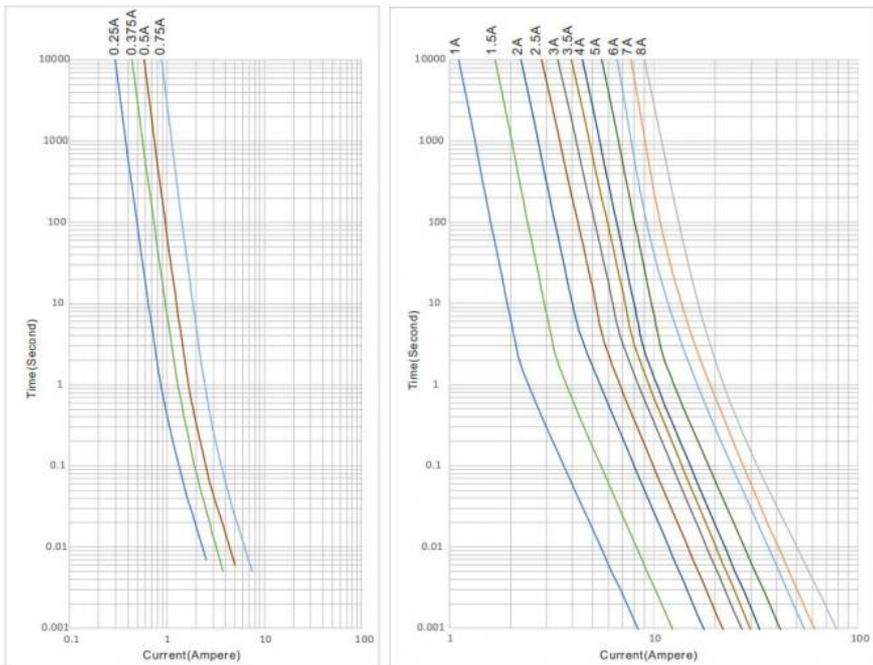
|   |                               |                      |
|---|-------------------------------|----------------------|
| Reflow Condition                                  |                               | Pb-free assembly     |
| Pre Heat  | - Temperature Min (Ts(min))   | 150°C                |
|   | - Temperature Max (Ts(max))   | 200°C                |
|   | - Time (Min to Max) (ts)      | 60 – 120 seconds     |
| Average Ramp-up Rate (Liquidus Temp (TL) to peak) |                               | 3°C/second max.      |
| TS(max) to TL - Ramp-up Rate                      |                               | 5°C/second max.      |
| Reflow  | - Temperature (TL) (Liquidus) | 217°C                |
|   | - Temperature (tL)            | 60 – 150 seconds     |
| Peak Temperature (TP)                             |                               | 260+0/-5°C           |
| Time within 5°C of actual peak Temperature (tp)   |                               | 30 seconds           |
| Ramp-down Rate                                    |                               | 6°C/second max       |
| Time 25°C to peak Temperature (TP) Do not exceed  |                               | 8 minutes max. 260°C |



Product Characteristics

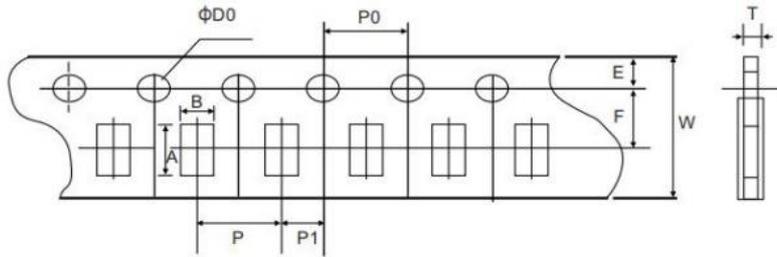
|                                       |   |
|---------------------------------------|---|
| Materials                             | Body: Ceramic<br>Terminators: Silver over-plated with tin<br>Element: Alloy(Ag,Cu,Zn)<br>Cover Coat:Glass |
| Operating Temperature                 | -55°C to 125°C<br>Consult temperature derating curve chart.   |
| Thermal Shock                         | 300 cycles -55°C to 125°C   |
| Humidity                              | MIL-STD-202F, Method 103B,Condition D   |
| Vibration                             | Per MIL-STD-202F, Method 201A   |
| Insulation Resistance (After Opening) | Greater than 10,000 ohms  |
| Resistance to Soldering Heat          | MIL-STD-202G,Method 210F, Condition D   |

Time Current Curve



## Packaging

5,000 pieces of fuses in plastic or paper taper



|                  |           |           |           |           |           |
|------------------|-----------|-----------|-----------|-----------|-----------|
| T<br>Y<br>P<br>E | A         | B         | W         | F         | E         |
|                  | 1.85±0.10 | 1.10±0.10 | 8.00±0.10 | 3.50±0.05 | 1.75±0.10 |
| S<br>P<br>E<br>C | P         | P0        | P1        | D0        | T         |
|                  | 4.00±0.10 | 4.00±0.10 | 2.00±0.05 | 1.50±0.10 | 0.65±0.10 |

(Unit: mm)

## CURRENT FUSE



## FUSE LINK AND FUSE BASE



## CURRENT PCB FUSE HOLDER



### Features:

Product Name:

Surface Mount Fuse

Power:

0.125W

0.25W

0.5W

1W

2W

Mounting:

SMD (Surface Mount Device)

Rated Current:

2A

Speed:

Slow Blow

Tradename:

SinglFuse

Key Features:

2410 SMD Fuse

SMD Fuse

SMD 0603 Surface Mount Fuses

## Technical Parameters:

| Product Name          | Surface Mount Fuse - 2410 SMD Fuse         |
|-----------------------|--|
| Package               | Tape In Reel                               |
| Mounting              | SMD  |
| UI Recognized         | 1A-20A                                     |
| Current Ratings       | 50mA-15A                                   |
| Factory Pack Quantity | 1000                                       |
| Power                 | 0.125W/0.25W/0.5W/1W/2W                    |
| Rated Current         | 2A   |
| Resistance Tolerance  | F=±1%, G=±2%, J=±5%                        |
| Speed                 | Slow Blow                                  |
| Tradename             | SinglFuse - 6125 Brick Surface Mount Fuses |

## Applications:

Surface Mount Fuse - LINKUN

LINKUN 2410 SBF is a series of surface mount fuses designed to provide high reliability and low power consumption for various electronic devices. These fuses are suitable for use in a wide range of current ratings, making them a versatile option for protecting circuits from overcurrent.

Brand Name: LINKUN

The LINKUN brand is well-known in the electronic components industry for its high-quality and reliable products. With years of experience and expertise, LINKUN has become a trusted name for electronic components, including the 2410 SBF surface mount fuse series.

Model Number: 2410 SBF

The 2410 SBF series is a part of LINKUN's surface mount fuse line. It is designed to fit the standard SMD 0603 package and is available in 6125 brick surface mount configuration. This model number is used to identify the specific size and type of surface mount fuse in the series.

Place of Origin: China DongGuang

The 2410 SBF series is proudly manufactured in China DongGuang, a city known for its advanced technology and high-quality electronic components. This location is strategically chosen to ensure the production of top-notch surface mount fuses that meet international standards.

Package: Tape In Reel

The 2410 SBF series is packaged in Tape In Reel, which is a common packaging method for surface mount fuses. This packaging ensures easy handling and protection during storage and transportation, making it convenient for manufacturers and customers alike.

Gross Weight: 0.15 G

The gross weight of the 2410 SBF series is 0.15 G, which is relatively light and adds minimal weight to the overall electronic device. This makes it suitable for use in portable devices where weight is a critical factor.

Power: 0.125W/0.25W/0.5W/1W/2W

The 2410 SBF series is available in a wide range of power options, including 0.125W, 0.25W, 0.5W, 1W, and 2W. This flexibility allows customers to choose the appropriate power rating based on their specific needs and ensures compatibility with various electronic devices.

Resistance Tolerance: F=±1%,G=±2%,J=±5%

The 2410 SBF series has a resistance tolerance level of F=±1%,G=±2%,J=±5%, which indicates the precision and accuracy of the fuses in the series. This ensures the proper functioning of the fuses and provides reliable protection for electronic circuits.

Current Ratings: 50mA-15A

The 2410 SBF series has a wide range of current ratings, from 50mA to 15A, making it suitable for use in various electronic devices with different power requirements. This versatility makes it a highly sought-after choice for protecting circuits from overcurrent.

Application and Usage

The 2410 SBF series is widely used in various electronic devices, including smartphones, tablets, laptops, power supplies, and many more. These surface mount fuses are essential components for protecting circuits from overcurrent, ensuring the safe and reliable operation of electronic devices.

Conclusion

The LINKUN 2410 SBF series of surface mount fuses offer high reliability, low power consumption, and a wide range of current ratings, making them a versatile and essential component for protecting electronic circuits. With its advanced technology, precision, and accuracy, the 2410 SBF series is a top choice for manufacturers and customers worldwide.

## Customization:

Customization Service for LINKUN 2410 SBF Surface Mount Fuse

Brand Name: LINKUN

Model Number: 2410 SBF

Place of Origin: China DongGuang

Speed: Slow Blow

Resistance Tolerance: F=±1%,G=±2%,J=±5%

Mounting: SMD

Width: 0.81 Mm

Voltage: 350V

At LINKUN, we offer customization services for our 2410 SBF surface mount fuse. This compact and reliable fuse is perfect for a variety of applications, and our customization options allow you to tailor it to your specific needs.

Our 2410 SBF surface mount fuse is designed for easy installation and use. Its small size and SMD mounting make it ideal for use in tight spaces or on PCBs. With a width of only 0.81 mm, it won't take up much room in your design.

Our slow blow fuse is designed to protect your circuits from overcurrent and short circuits. It has a voltage rating of 350V, making it suitable for a range of electronic devices.

One of the key features of our customization service is the ability to choose from different resistance tolerances. We offer options of  $F=\pm 1\%$ ,  $G=\pm 2\%$ , and  $J=\pm 5\%$ , allowing you to select the level of precision that best suits your needs.

In addition to our standard 2410 SBF fuse, we also offer customization options for our 1032 and 1031 SMD surface mount fuses. This allows you to find the perfect fuse for your specific application.

Choose LINKUN for your surface mount fuse needs and take advantage of our customization service to get the perfect fuse for your project. Contact us today to learn more.

## Packing and Shipping:

### Surface Mount Fuse – Packaging and Shipping

Our Surface Mount Fuse is carefully packaged to ensure safe and secure delivery to our customers. We use high-quality packaging materials to protect the product from any damage during transportation.

The Surface Mount Fuse is packed in a sturdy cardboard box with appropriate padding to prevent any movement during shipping. The box is then sealed with tape and labeled with product information and handling instructions.

For international shipments, the product is packed in compliance with all relevant shipping regulations to ensure smooth customs clearance. We also provide all necessary documentation and labels for international shipping.

Our standard shipping method is through reputable and reliable carriers such as FedEx, UPS, and DHL. Customers can also request for their preferred shipping method and we will do our best to accommodate their needs.

We strive to maintain efficient and timely delivery of our products. Orders are typically shipped within 1-2 business days after payment is received. Customers will be provided with a tracking number to monitor the status of their shipment.

At Surface Mount Fuse, we understand the importance of delivering our products in perfect condition to our customers. We take great care in packaging and shipping our products to ensure customer satisfaction.



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