# Surface Mount Fuses

## Lead-Free Thin-Film

# **RoHS** SlimLine<sup>™</sup> Lead-Free 0603 Very Fast-Acting Fuse 467 Series

NEW .51 ().

**elfuse** 

#### • RoHS compliant and Lead-Free.

- Product is compatible with lead-free solders and higher temperature profiles.
- High performance materials provide improved performance in elevated ambient temperature applications.
- Product is marked on top surface with code to allow amperage rating identification without testing.
- Low profile for height sensitive applications.
- Flat top surface for pick-and-place operations.
- Element covering material is resistant to industry standard cleaning operations.
- Mounting pad and electrical performance is identical to Littelfuse 431 and 434 Series products.
- Alloy based element construction provides superior inrush withstand characteristics (I<sup>2</sup>t) over ceramic or glass based 0603 fuse products.

#### **ELECTRICAL CHARACTERISTICS:**

| % of Ampere<br>Rating | Opening<br>Time at 25°C |  |  |  |  |
|-----------------------|-------------------------|--|--|--|--|
| 100%                  | 4 hours, Minimum        |  |  |  |  |
| 200%                  | 5 seconds, Maximum      |  |  |  |  |
| 300%                  | 0.2 seconds, Maximum    |  |  |  |  |

**AGENCY APPROVALS:** Recognized under the Components Program of Underwriters Laboratories and Certified by CSA.

AGENCY FILE NUMBERS: UL E10480, CSA LR 29862

#### **INTERRUPTING RATINGS:**

| 0.25 – 1A | 50A at 32V AC/DC |
|-----------|------------------|
| 1.25 – 5A | 35A at 32V AC/DC |

#### PHYSICAL SPECIFICATIONS:

Materials: Body: Advanced High Temperature Substrate Terminations: 100% Copper/Nickel/Tin Element Cover Coat: Conformal Coating



#### **Reference Dimensions:**



#### Soldering Parameters(see page 3 for typical soldering profile):

Wave Solder — 260°C, 10 seconds max Reflow Solder — 260°C, 30 seconds max

勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw



## Surface Mount Fuses

### Lead-Free Thin-Film

# **RoHS** SlimLine<sup>™</sup> Lead-Free 0603 Very Fast-Acting Fuse 467 Series

#### ENVIRONMENTAL SPECIFICATIONS:

**Operating Temperature:** -55°C - + 90°C \* For operation above 90°C contact Littelfuse

Vibration: Per MIL-STD-202F

Insulation Resistance (After Opening): Greater than 10,000 ohms.

**Resistance to Soldering Heat:** Withstands 60 seconds above 200°C up to 260°C, maximum

Thermal Shock: Withstands 5 cycles of -55° to 125°C

#### PACKAGING SPECIFICATIONS:

8mm Tape and Reel per EIA-RS481-2 (IEC 286, part 3); 5,000 per reel, add package suffix, NR.

Patents: Patended

#### **Ordering Information:**

| Catalog<br>Number | Ampere<br>Rating | Marking<br>Code | Nominal<br>Voltage<br>Rating | Nominal<br>Resistance <sup>1</sup><br>(Ω) | Melting I <sup>2</sup> t<br>(A <sup>2</sup> Sec.) <sup>2</sup> |
|-------------------|------------------|-----------------|------------------------------|-------------------------------------------|----------------------------------------------------------------|
| <b>0467</b> .250  | .25              | D               | 32                           | 0.435                                     | 0.0030                                                         |
| <b>0467</b> .375  | .375             | E               | 32                           | 0.275                                     | 0.0053                                                         |
| <b>0467</b> .500  | .5               | F               | 32                           | 0.180                                     | 0.0087                                                         |
| <b>0467</b> .750  | .75              | G               | 32                           | 0.112                                     | 0.0171                                                         |
| <b>0467</b> 001.  | 1                | Н               | 32                           | 0.062                                     | 0.0212                                                         |
| <b>0467</b> 1.25  | 1.25             | J               | 32                           | 0.050                                     | 0.0518                                                         |
| <b>0467</b> 01.5  | 1.5              | K               | 32                           | 0.040                                     | 0.0766                                                         |
| <b>0467</b> 1.75  | 1.75             | L               | 32                           | 0.028                                     | 0.0903                                                         |
| <b>0467</b> 002.  | 2                | Ν               | 32 🔨                         | 0.024                                     | 0.1103                                                         |
| <b>0467</b> 02.5  | 2.5              | 0               | 32                           | 0.020                                     | 0.1440                                                         |
| <b>0467</b> 003.  | 3                | Р               | 32                           | 0.016                                     | 0.2403                                                         |
| <b>0467</b> 03.5  | 3.5              | R               | 32                           | 0.013                                     | 0.4306                                                         |
| <b>0467</b> 004.  | 4                | S               | 32                           | 0.011                                     | 0.5760                                                         |
| <b>0467</b> 005.  | 5                | Т               | 32                           | 0.0085                                    | 0.9000                                                         |

<sup>1</sup>Measured at 10% of rated current, 25°C.

<sup>2</sup>Measured at rated voltage.

勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw



SURFACE MOUNT 01 FUSES