

# Surface Mount Fuses

## Lead-Free Thin-Film

### **SlimLine™ Lead-Free 0603 Very Fast-Acting Fuse 467 Series**

NEW



- 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 ( $I^2t$ ) over ceramic or glass based 0603 fuse products.

#### ELECTRICAL CHARACTERISTICS:

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

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

**AGENCY FILE NUMBERS:** UL E10480, CSA LR 29862

#### INTERRUPTING RATINGS:

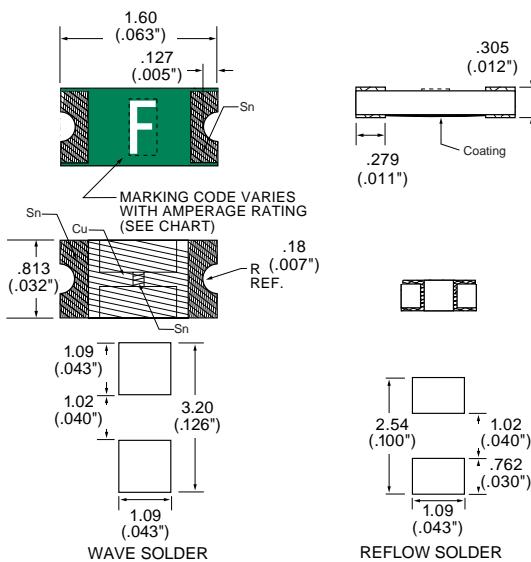
0.25 – 1A      50A at 32V AC/DC  
 1.25 – 5A      35A at 32V AC/DC

#### 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

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#### 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:** Patented

#### Ordering Information:

Catalog Number	Ampere Rating	Marking Code	Nominal Voltage Rating	Nominal Resistance <sup>1</sup> (Ω)	Melting I <sup>2</sup> t (A <sup>2</sup> Sec.) <sup>2</sup>
0467.250	.25	D	32	0.435	0.0030
0467.375	.375	E	32	0.275	0.0053
0467.500	.5	F	32	0.180	0.0087
0467.750	.75	G	32	0.112	0.0171
0467 001.	1	H	32	0.062	0.0212
0467 1.25	1.25	J	32	0.050	0.0518
0467 01.5	1.5	K	32	0.040	0.0766
0467 1.75	1.75	L	32	0.028	0.0903
0467 002.	2	N	32	0.024	0.1103
0467 02.5	2.5	O	32	0.020	0.1440
0467 003.	3	P	32	0.016	0.2403
0467 03.5	3.5	R	32	0.013	0.4306
0467 004.	4	S	32	0.011	0.5760
0467 005.	5	T	32	0.0085	0.9000

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

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

Average Time Current Curves

