

Surface Mount Fuses

Lead-Free Thin-Film



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



- 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 (I²t) over ceramic or glass based 0603 fuse products.

ELECTRICAL CHARACTERISTICS:

% of Ampere Rating	Opening 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:

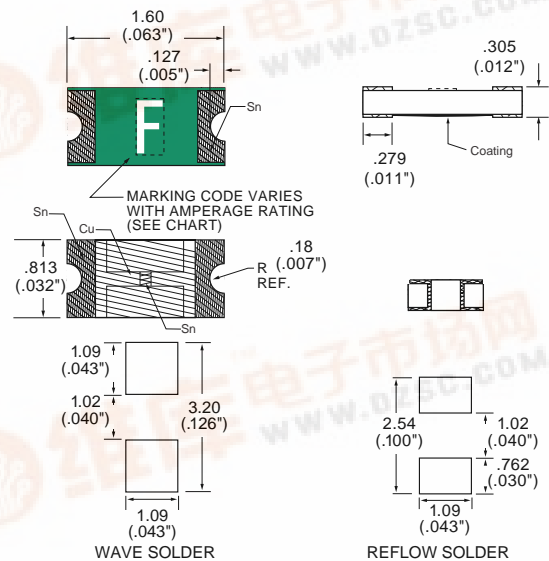
0.25 – 1A 50A at 32V AC/DC
1.25 – 5A 35A at 32V AC/DC

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



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RoHS **Pb** **SlimLine™ 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: Patented

Ordering Information:

Catalog Number	Ampere Rating	Marking Code	Nominal Voltage Rating	Nominal Resistance ¹ (Ω)	Melting I ² t (A ² Sec.) ²
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

¹ Measured at 10% of rated current, 25°C.

² Measured at rated voltage.

Average Time Current Curves

