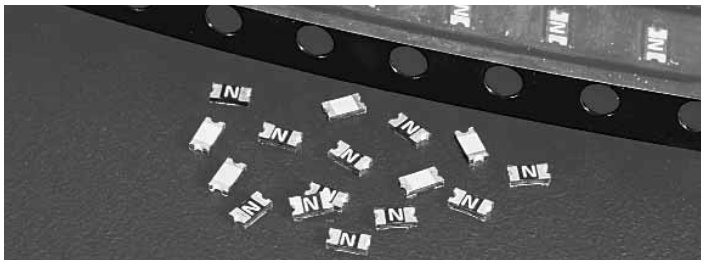
SlimLine™ 0603 Very Fast-Acting Fuse 434 Series

- For RoHS compliant and Lead-Free designs use 467 series.
- The SlimLine 0603 fuse is an extremely small, low profile design (0603 chip size) utilizing thin-film technology to achieve precise control of electrical characteristics.
- The lower height profile produces a flat surface for improved performance in pick-and-place operations and an alternate solution for height critical applications.



ELECTRICAL CHARACTERISTICS:

% of Ampere Rating	Opening Time at 25°C
100%	4 hours, **Min**imum
200%	5 seconds, **Max**imum
300%	0.2 seconds, **Max**imum

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

AGENCY FILE NUMBERS: UL E10480, CSA LR 29862.

INTERRUPTING RATINGS:

.25–1A 50 A @ 32 V AC/DC

1.25–5A 35 A @ 32 V AC/DC

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature: –55°C to 90°C. Consult temperature rerating chart on page 4. 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°C to 125°C.

PHYSICAL SPECIFICATIONS:

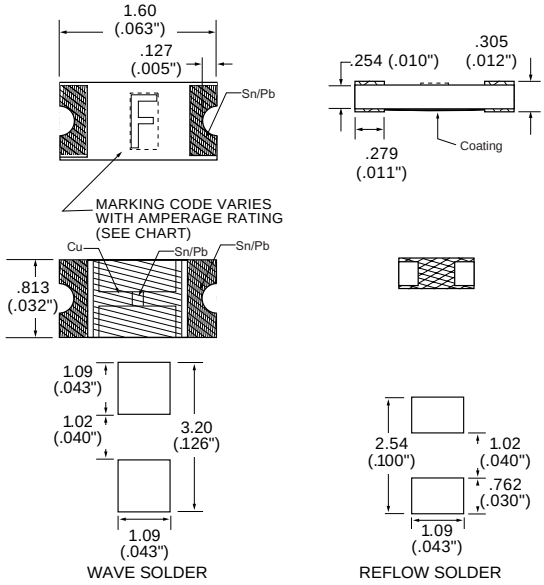
Materials: Body: Epoxy Substrate
Terminations: Copper/Nickel/Tin-Lead (95/5)
Cover Coat: Conformal Coating

Soldering Parameters(see page 3 for typical soldering profile):
Wave Solder — 260°C, 10 seconds maximum
Reflow Solder— 260°C, 30 seconds maximum

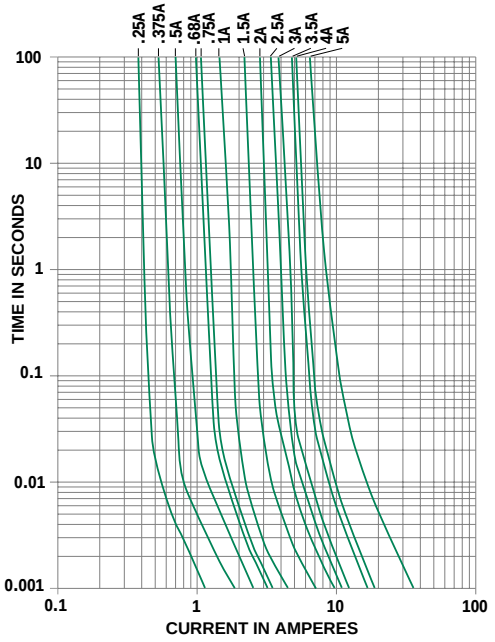
PACKAGING SPECIFICATIONS: 8mm Tape and Reel per EIA-RS481-1 (IEC 286, part 3); 5,000 per reel, add packaging suffix, NR.

PATENTED:

Reference Dimensions:



Average Time Current Curves



ORDERING INFORMATION:

Catalog Number	Ampere Rating	Marking Code	Voltage Rating	Nominal Resistance Cold Ohm[1]	Melting I²t (A² Sec.)[2]
0434.250	.25	D	32	0.375	0.0030
0434.375	.375	E	32	0.265	0.0053
0434.500	.5	F	32	0.193	0.0087
0434.680	.68	X	32	0.125	0.0109
0434.750	.75	G	32	0.114	0.0171
0434 001.	1	H	32	0.072	0.0210
0434 1.25	1.25	J	32	0.054	0.0320
0434 01.5	1.5	K	32	0.048	0.0526
0434 1.75	1.75	L	32	0.039	0.0661
0434 002.	2	N	32	0.036	0.104
0434 02.5	2.5	O	32	0.028	0.175
0434 003.	3	P	32	0.023	0.198
0434 03.5	3.5	R	32	0.019	0.265
0434 004.	4	S	32	0.017	0.352
0434 005.	5	T	32	0.013	1.297

[1]Measured at 10% of rated current, 25°C.
[2]Measured at rated voltage.