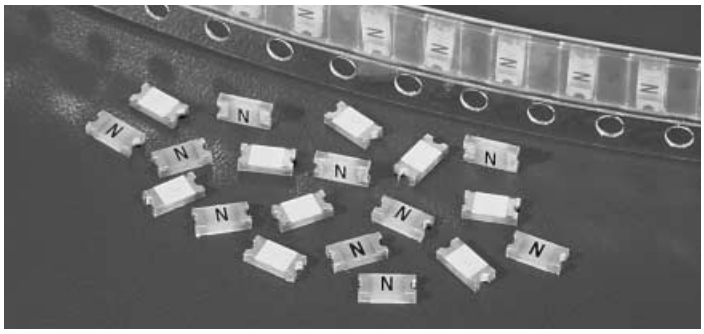
SlimLine™ 1206 Very Fast-Acting Fuse 433 Series

- The SlimLine 1206 fuse is an extremely small, low profile design (1206 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 application.
- Mounting pad and electrical specification are identical to the popular 429 Series specifications.



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:

0.125 – .375A	50 A @ 125 V AC/DC
0.5 – 2A	50 A @ 63 V AC/DC
2.5 – 3A	50 A @ 32 V AC/DC
4 – 7A	50 A @ 24 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.

Shelf Life (Solderability): 1 year min.

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

PHYSICAL SPECIFICATIONS:

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

Soldering Parameters:
Wave Solder — 260°C, 10 seconds maximum
Infrared Solder — 260°C, 30 seconds maximum

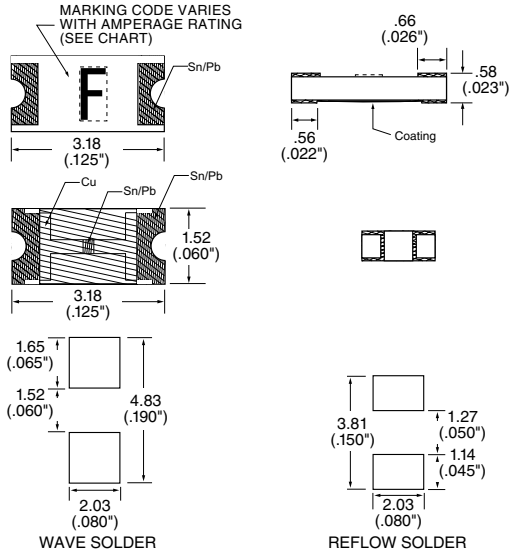
PACKAGING SPECIFICATIONS: 8mm Tape and Reel per EIA-RS481-1 (IEC 286, part 3); 5,000 per reel, add packaging suffix, NR.

PATENTS: Patent Pending

Catalog Number	Ampere Rating	Marking Code	Voltage Rating	Nominal Resistance Cold Ohms[1]	Melting I²t (A² Sec.)[2]
0433.125	.125	B	125	3.45	0.00040
0433.200	.200	C	125	0.938	0.00055
0433.250	.250	D	125	0.625	0.0010
0433.375	.375	E	125	0.375	0.0028
0433.500	.50	F	63	0.2405	0.0060
0433.600	.60	.6	63	0.2100	0.0131
0433.750	.75	G	63	0.1370	0.0170
0433.800	.80	.8	63	0.1225	0.0305
0433 001.	1.0	H	63	0.09950	0.0350
0433 1.25	1.25	J	63	0.07475	0.0650
0433 01.5	1.5	K	63	0.06250	0.125
0433 1.75	1.75	L	63	0.05000	0.150
0433 002.	2.0	N	63	0.03975	0.230
0433 02.5	2.5	O	32	0.03065	0.50
0433 003.	3.0	P	32	0.02625	0.70
0433 004.	4.0	S	24	0.014	1.024
0433 005.	5.0	T	24	0.011	1.600
0433 007.	7.0	U	24	0.0076	3.969

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

Reference Dimensions:



Average Time Current Curves