

THIN FILM SURFACE MOUNT

Slim 1206 Very Fast-Acting Thin-Film Type 433 Series



- The Slim 1206 is an extremely small, low profile design (1206 chip size) utilizing thin-film technology to achieve precise control of electrical characteristics.
- One-piece element/termination design assures extra reliability by eliminating the need for soldering, welding or other joining operations in the manufacture of the fuse.
- 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, 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 – .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

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature: –55°C to 125°C.

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-RS481-2 (IEC 286, part 3); 5,000 per reel, add packaging suffix, NR.

PATENTS: Patent Pending

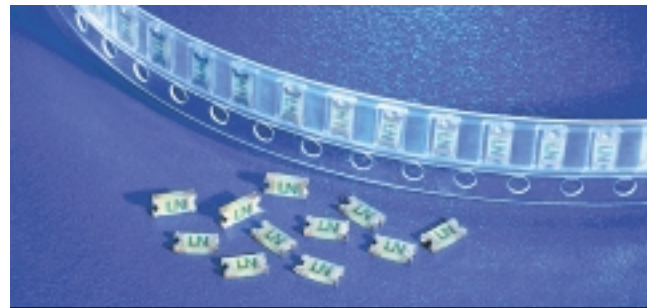
ORDERING INFORMATION:

Catalog Number	Ampere Rating	Marking Code	Voltage Rating	Nominal Resistance Cold Ohms ¹	Nominal Voltage Drop (V) ²	Melting I ² t (A ² Sec.) ³
0433.250	1/4	LD	125	0.62500	0.160	0.00100
0433.375	3/8	LE	125	0.37500	0.138	0.00280
0433.500	1/2	LF	63	0.24050	0.130	0.0060
0433.750	3/4	LG	63	0.13700	0.120	0.0170
0433.001	1	LH	63	0.09950	0.115	0.035
0433 1.25	1 1/4	LJ	63	0.07475	0.108	0.065
0433 01.5	1 1/2	LK	63	0.06250	0.101	0.125
0433 1.75	1 3/4	LL	63	0.05000	0.096	0.150
0433.002	2	LN	63	0.03975	0.093	0.230
0433 02.5	2 1/2	LO	32	0.03065	0.087	0.50
0433.003	3	LP	32	0.02625	0.080	0.70

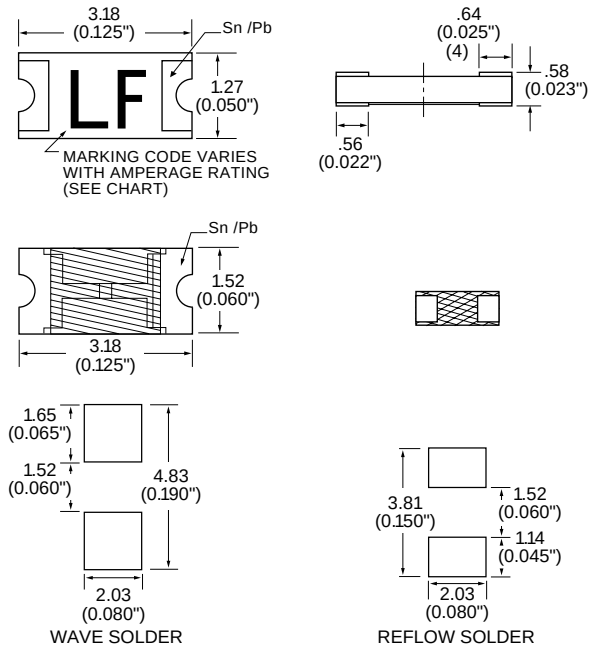
¹ Measured at 10% of rated current, 25°C.

² Measured at 100% of rated current, 25°C.

³ Measured at rated voltage.



Reference Dimensions:



Average Time Current Curves

