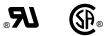


## THIN-FILM SURFACE MOUNT

### 1206 Very Fast-Acting Thin-Film Type 429 Series



• For new designs below 4A please consult the 433 Series

#### 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:

0.125 – 3A 50 amperes at rated voltage, VAC/VDC  
4 – 7A 35 amperes at rated voltage, VAC/VDC

#### ENVIRONMENTAL SPECIFICATIONS:

**Operating Temperature:** –55°C to 90°C. Consult temperature derating chart on page 4. For operation above 90°C contact Littelfuse.

**Vibration:** Withstands 10–55 Hz per MIL-STD-202F, Method 201A and 10-2000 Hz at 20 G's per MIL-STD-202F, Method 204D, Condition D.

**Insulation Resistance (After Opening):** Greater than 10 KOhm.

**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.

#### PHYSICAL SPECIFICATIONS:

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

#### Soldering Parameters:

Reflow Solder — 260°C, 30 seconds maximum

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

#### PATENTED

#### ORDERING INFORMATION:

Catalog Number	Ampere Rating	Marking Code	Nominal Voltage Rating	Nominal Resistance Cold Ohms <sup>1</sup>	Melting I <sup>2</sup> t (A <sup>2</sup> Sec.) <sup>2</sup>
429.125	0.125	FB	125	2.30000	0.00020
429.200	0.200	FC	125	0.93800	0.00055
429.250	0.250	FD	125	0.62500	0.00100
429.375	0.375	FE	125	0.37500	0.00280
429.500	0.500	FF	63	0.24050	0.0060
429.750	0.75	FG	63	0.13700	0.0170
429.001	1.00	FH	63	0.09950	0.035
429.1.25	1.25	FJ	63	0.07475	0.065
429.01.5	1.50	FK	63	0.06250	0.125
429.1.75	1.75	FL	63	0.05000	0.150
429.002	2.0	FN	63	0.03975	0.230
429.02.5	2.5	FO	32	0.03065	0.500
429.003	3.0	FP	32	0.02625	0.700

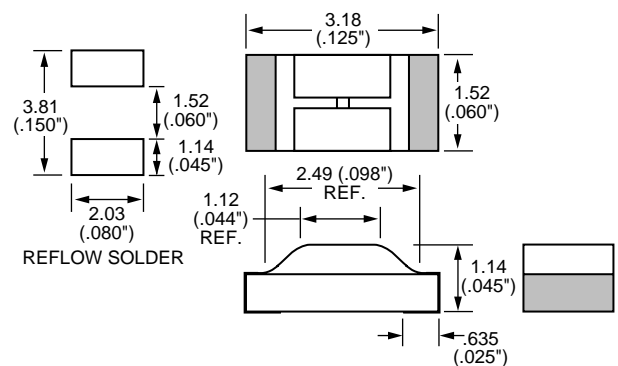
For New Designs Below 4A Use 433 Series.

429.004	4.0	FS	24	0.01926	1.50
429.005	5.0	FT	24	0.01375	2.70
429.007	7.0	FU	24	0.00925	3.60

<sup>1</sup> Measured at 10% of rated current, 25°C. <sup>2</sup> Measured at rated voltage.



#### RECOMMENDED PAD LAYOUTS



#### Average Time Current Curves

