

# Surface Mount Fuses

#### Thin-Film Surface Mount

# 1206 Very Fast-Acting Fuse 429 Series

**R**.



• For new designs please consult the 433 or 466 Series on pages 258-260.

## **ELECTRICAL CHARACTERISTICS:**

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

AGENCY APPROVALS: Recognized under the Components Program of Lindonwiters Laboratories and Contified by CSA

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 rerating 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**

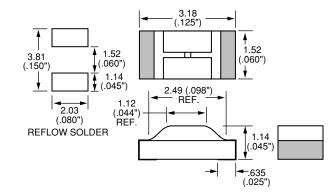
### ORDERING INFORMATION:

		r New Designs		Nominal	
Catalog Number	Ampere Rating	Marking Code	Voltage Rating	Resistance Cold Ohms <sup>1</sup>	Melting I <sup>2</sup> t (A <sup>2</sup> Sec.) <sup>2</sup>
<b>429</b> .125	0.125	FB	125	2.30000	0.00020
<b>429</b> .200	0.200	FC	125	0.93800	0.00055
<b>429</b> .250	0.250	FD	125	0.62500	0.00100
<b>429</b> .375	0.375	FE	125	0.37500	0.00280
<b>429</b> .500	0.500	FF	63	0.24050	0.0060
<b>429</b> .750	0.75	FG	63	0.13700	0.0170
429 001	1.00	FH	63	0.09950	0.035
<b>429</b> 1.25	1.25	FJ	63	0.07475	0.065
<b>429</b> 01.5	1.50	FK	63	0.06250	0.125
<b>429</b> 1.75	1.75	FL	63	0.05000	0.150
<b>429</b> 002	2.0	FN	63	0.03975	0.230
<b>429</b> 02.5	2.5	FO	32	0.03065	0.500
<b>429</b> 003	3.0	FP	32	0.02625	0.700
<b>429</b> 004	4.0	FS	24	0.01926	1.50
<b>429</b> 005	5.0	FT	24	0.01375	2.70
<b>429</b> 007	7.0	FU	24	0.00925	3.60

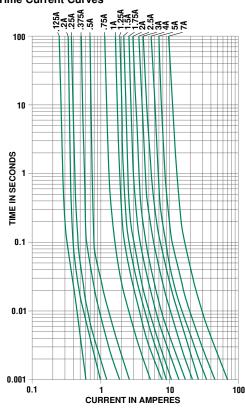
<sup>&</sup>lt;sup>1</sup>Measured at 10% of rated current, 25°C.



#### RECOMMENDED PAD LAYOUTS



#### **Average Time Current Curves**



<sup>&</sup>lt;sup>2</sup>Measured at rated voltage.