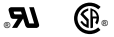


Surface Mount Fuses

Thin-Film Surface Mount

RoHS High Current 1206 Very Fast-Acting Fuse 429 Series



- RoHS compliant and Lead-Free 7A device available-add 'L' suffix to catalog number
- For new designs up to 5A please consult the 433 or 466 Series

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:

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:

Standard Device: Copper/Nickel/Tin-Lead (95/5)

RoHS Compliant Device: 100% Copper/Nickel/Tin

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, WRM.

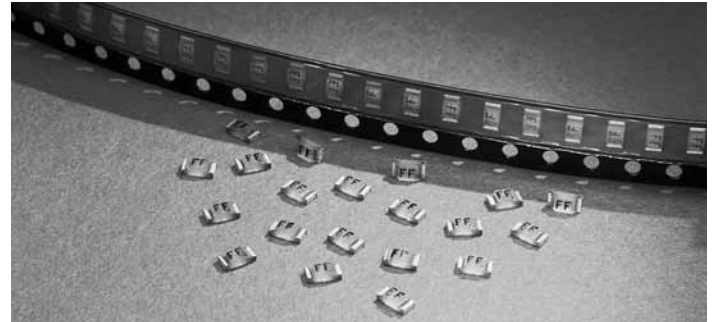
Options: For RoHS Compliant and lead-free devices add the letter 'L' to end of packaging suffix. Example: 0429007.WRML (RoHS Compliant 7A, 3,000 per reel).

ORDERING INFORMATION:

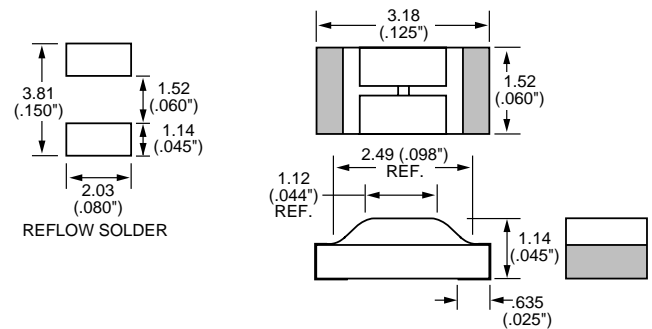
For Low-Current Designs Use 433 or 466 Series.

| Catalog Number | Ampere Rating | Marking Code | Nominal Voltage Rating | Nominal Resistance Cold Ohms ¹ | Melting I ² t (A ² Sec.) ² |
|----------------|---------------|--------------|------------------------|---|---|
| 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 |
| 429.007 | 7.0 | FU | 24 | 0.00925 | 3.60 |
| 429.007L | 7.0 | 7 | 24 | 0.00925 | 3.60 |

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

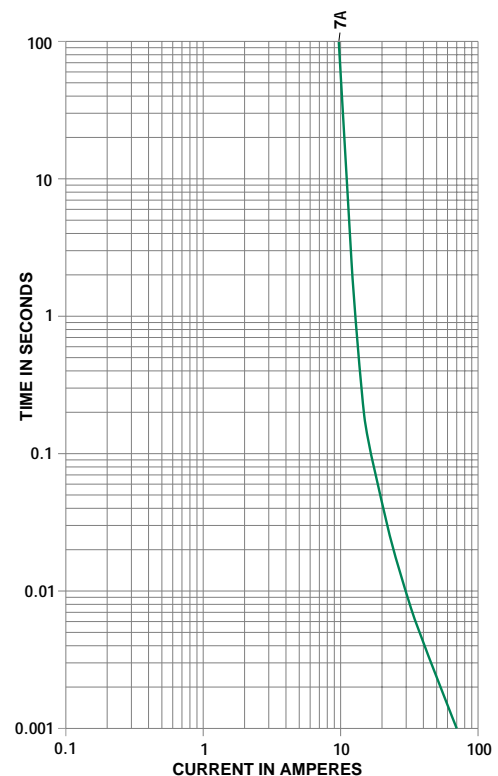


RECOMMENDED PAD LAYOUTS



PATENTED

Average Time Current Curves



10 SURFACE MOUNT FUSES