

Surface Mount Fuses

Lead-Free Thin-Film

RoHS **Pb** **SlimLine™ Lead-Free 1206** Very Fast Acting Fuse 466 Series

NEW

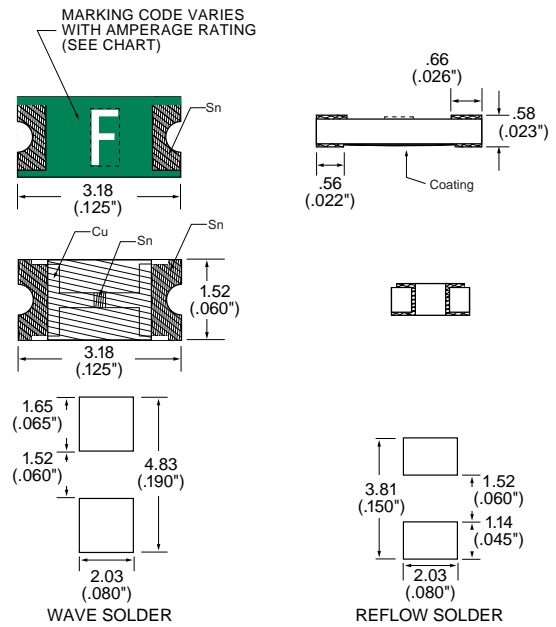
UL

CS

- RoHS compliant and Lead-Free.
- For new designs of 7 amp please consult 429 series.
- Product is compatible with lead-free solders and higher temperature profiles.
- Current ratings available up to 5A.
- High performance materials provide improved performance in elevated ambient temperature applications.
- Product is marked on top surface with code to allow amperage rating identification without testing.
- Low profile for height sensitive applications.
- Flat top surface for pick-and-place operations.
- Element covering material is resistant to industry standard cleaning operations.
- Mounting pad and electrical performance is identical to Littelfuse 429 and 433 Series products.
- Alloy based element construction provides superior inrush withstand characteristics (I²t) over ceramic or glass based 1206 chip fuse products.



Reference Dimensions:



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:

| | |
|---------------|--------------------|
| 0.125 – .375A | 50A at 125 V AC/DC |
| 0.5 – 2A | 50A at 63 V AC/DC |
| 2.5 – 3A | 50A at 32 V AC/DC |
| 4 – 5A | 35A at 24 V AC/DC |

PHYSICAL SPECIFICATIONS:

Materials: Body: Advanced High Temperature Substrate
 Terminations: 100% Copper/Nickel/Tin
 Element Cover Coat: Conformal Coating

Soldering Parameters(see page 3 for soldering profile):

Wave Solder — 260°C, 10 seconds max
 Reflow Solder — 260°C, 30 seconds max

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ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature: -55°C - + 90°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 and up to 260°C, maximum

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

PACKAGING SPECIFICATIONS:

8mm Tape and Reel per EIA-RS481-2 (IEC 286, part 3); 5,000 per reel, add packaging suffix, NR.

PATENTED

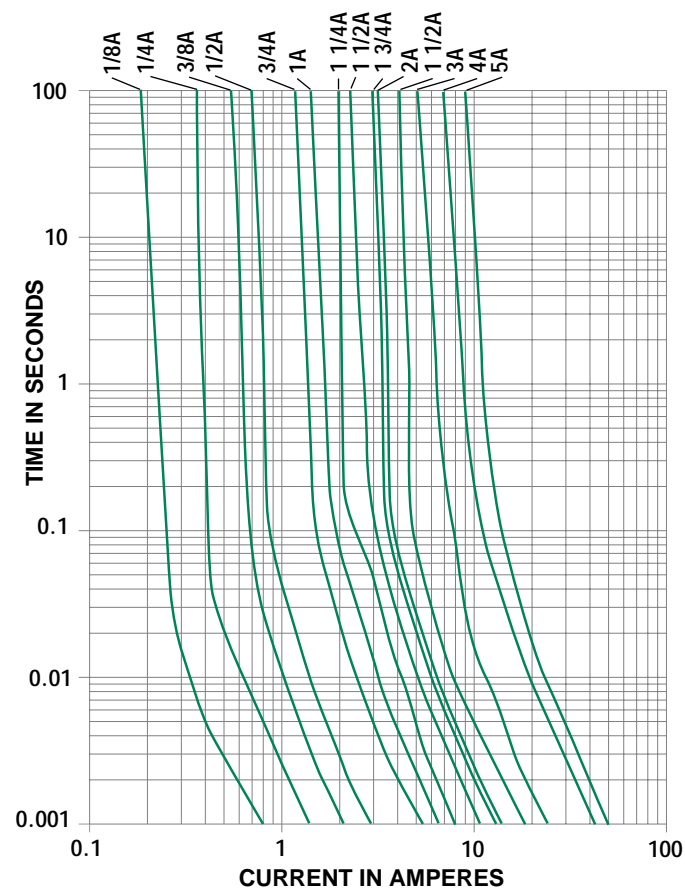
ORDERING INFORMATION:

| Catalog Number | Ampere Rating | Marking Code | Voltage Rating | Nominal Resistance Cold Ohms ¹ | Melting I ² t (A ² Sec.) ² |
|----------------|---------------|--------------|----------------|---|---|
| 0466.125 | .125 | B | 125 | 4.000 | 0.00040 |
| 0466.200 | .2 | C | 125 | 1.150 | 0.00055 |
| 0466.250 | .25 | D | 125 | 0.690 | 0.0010 |
| 0466.375 | .375 | E | 125 | 0.350 | 0.0028 |
| 0466.500 | .5 | F | 63 | 0.220 | 0.0060 |
| 0466.750 | .75 | G | 63 | 0.105 | 0.0276 |
| 0466 001. | 1 | H | 63 | 0.072 | 0.0423 |
| 0466 1.25 | 1.25 | J | 63 | 0.056 | 0.0640 |
| 0466 01.5 | 1.5 | K | 63 | 0.046 | 0.1103 |
| 0466 1.75 | 1.75 | L | 63 | 0.037 | 0.1323 |
| 0466 002. | 2 | N | 63 | 0.031 | 0.2326 |
| 0466 02.5 | 2.5 | O | 32 | 0.023 | 0.3516 |
| 0466 003. | 3 | P | 32 | 0.020 | 0.5760 |
| 0466 004. | 4 | S | 24 | 0.014 | 1.024 |
| 0466 005. | 5 | T | 24 | 0.011 | 1.600 |

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

² Measured at rated voltage.

Average Time Current Curves



10
SURFACE MOUNT FUSES