

## Surface Mount Fuses

#### Lead-Free Thin-Film

## RoHS

# SlimLine<sup>™</sup> Lead-Free 1206 Very Fast Acting Fuse 466 Series







- 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.

#### **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:**

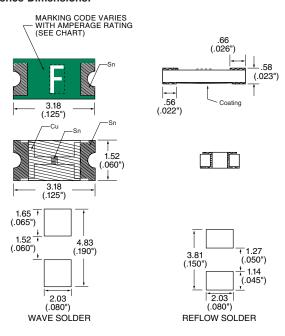
0.125 – .375A 50A at 125 V AC/DC 0.5 – 2A 50A at 63 V AC/DC 2.5 – 5A 50A at 32 V AC/DC

#### **PHYSICAL SPECIFICATIONS:**

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



#### **Reference Dimensions:**



#### 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.

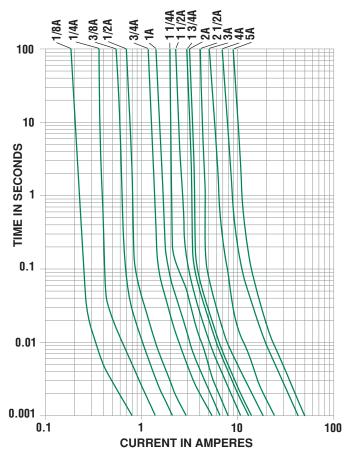
**PATENTED** 

#### **ORDERING INFORMATION:**

Catalog Number	Ampere Rating	Marking Code	Voltage Rating	Nominal Resistance Cold Ohms <sup>1</sup>	Melting I <sup>2</sup> t (A <sup>2</sup> Sec.) <sup>2</sup>
<b>0466.</b> 125	.125	В	125	4.000	0.00040
<b>0466.</b> 200	.2	С	125	1.150	0.00055
<b>0466</b> .250	.25	D	125	0.690	0.0010
<b>0466</b> .375	.375	E	125	0.350	0.0028
<b>0466</b> .500	.5	F	63	0.220	0.0060
<b>0466</b> .750	.75	G	63	0.105	0.0276
<b>0466</b> 001.	1	Н	63	0.072	0.0423
<b>0466</b> 1.25	1.25	J	63	0.056	0.0640
<b>0466</b> 01.5	1.5	K	63	0.046	0.1103
<b>0466</b> 1.75	1.75	L	63	0.037	0.1323
<b>0466</b> 002.	2	N	63	0.031	0.2326
<b>0466</b> 02.5	2.5	0	32	0.023	0.3516
<b>0466</b> 003.	3	Р	32	0.020	0.5760
<b>0466</b> 004.	4	S	32	0.014	1.024
<b>0466</b> 005.	5	T	32	0.011	1.600

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

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



**Littelfuse** 

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