

# Surface Mount Fuses

## RoHS Lead-Free SlimLine™ 1206

Slo-Blo® Fuse 468 Series



- Complies with electronic industry environmental standards for lead reduction.
- Product is compatible with lead-free solders and higher temperature profiles.
- Time delay feature withstands high in-rush currents and prevents nuisance openings.
- Package is visually distinct from fast-acting version for easy identification.
- Top side marking allows visual verification of amperage rating.



### ELECTRICAL CHARACTERISTICS:

% of Ampere Rating	Opening Time @ 25°C
100%	4 hours, <b>Minimum</b>
200%	1 sec., <b>Min.</b> ; 120 sec., <b>Max.</b>
300%	0.05 sec., <b>Min.</b> ; 1.5 sec., <b>Max.</b>
800%	0.0015 sec., <b>Min.</b> ; .05 sec., <b>Max.</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:

1.0A - 1.5A	50 amperes at 63 VAC/VDC
2.0A	35 amperes at 63 VAC/VDC
3.0A	50 amperes at 32 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 10,000 Ohms.

**Resistance to Soldering Heat:** Withstands 60 seconds above 200°C up to 260°C, maximum.

**Thermal Shock:** Withstands 5 cycles of -50°C to +125°C.

### PHYSICAL SPECIFICATIONS:

**Materials:**  
 Body: Epoxy Substrate  
 Terminations: 100% 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); 5,000 per reel, add packaging suffix, NR.

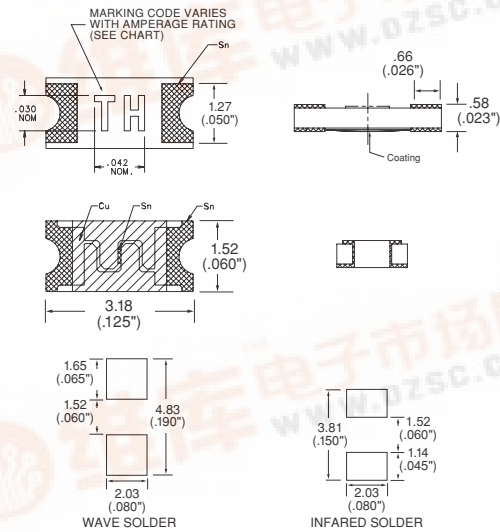
### PATENTED

### ORDERING INFORMATION:

Catalog Number	Ampere Rating (A)	Marking Code	Voltage Rating (V)	Nom. Cold Resistance Cold Ohm <sup>1</sup>	Nominal Melting I <sup>2</sup> t (A <sup>2</sup> sec) <sup>2</sup>
0468 001	1.0	TH	63	0.079	0.127
0468 015	1.5	TK	63	0.044	0.288
0468 002	2.0	TN	63	0.0325	0.506
0468 003	3.0	TP	32	0.0195	1.270

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

### Reference Dimensions:



### Average Time Current Curves

