

# SolidMatrix® 1206 Slow Blow Surface Mount Fuses

**NEW!**


## Features:

- High inrush current withstanding capability
- Multilayer monolithic structure with glass ceramic body and silver fusing element
- Sliver termination with nickel and pure-tin solder plating, providing excellent solderability
- Compatible with both wave and reflow soldering processes
- Operating temperature range: -55°C + 125°C (with de-rating)
- RoHS compliant



## Clear-Time Characteristics ( Slow Blow):

% of current rating	Clear-time at 25 °C	
100%	4 hours (Min)	
200%	1 second (Min)	120 seconds (Max)
300%	0.1 seconds (Min)	3 seconds (Max)
800%	0.002 seconds (Min)	0.05 seconds (Max)

**Agency Approval:** Recognized Under the Components Program of Underwriters Laboratories. File Number: E232989

**Patents:** U.S. Patent numbers 6,034,589, 6,228,230, 6,602,766, and other pending patents

## Interrupting Ratings:

1A - 5.5A 50A at rated voltages  
6A - 8A 60A at rated voltage

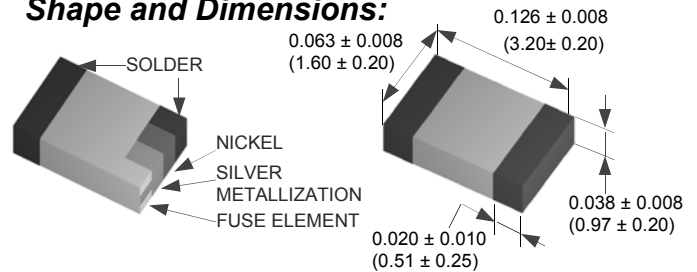
**Marking(Optional):** Red Marking Character Code  
1A:E, 1.25A:F, 1.5A:G, 2A:I, 2.5A:J, 3A:K, 3.5A:L, 4A:M,  
4.5A:T, 5A:N, 5.5A:U, 6A:O, 7A:P, 8A:R

## Ordering Information:

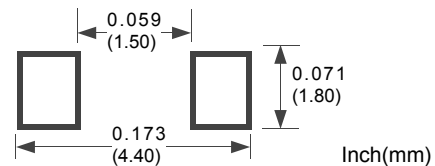
Part Number	Current Rating (A)	Voltage Rating (VDC)	Nominal Cold DCR ( $\Omega$ ) <sup>1</sup>	Nominal $I^2t$ ( $A^2s$ ) <sup>2</sup>
F1206SB1000V063T	1.0	63	0.360	0.11
F1206SB1250V063T	1.25	63	0.200	0.22
F1206SB1500V063T	1.5	63	0.150	0.23
F1206SB2000V063T	2.0	63	0.082	0.63
F1206SB2500V032T	2.5	32	0.070	0.90
F1206SB3000V032T	3.0	32	0.032	1.20
F1206SB3500V032T	3.5	32	0.028	1.60
F1206SB4000V032T	4.0	32	0.024	2.20
F1206SB4500V032T	4.5	32	0.020	3.60
F1206SB5000V032T	5.0	32	0.016	5.30
F1206SB5500V024T	5.5	24	0.014	6.40
F1206SB6000V024T	6.0	24	0.011	8.50
F1206SB7000V024T	7.0	24	0.010	10.0
F1206SB8000V024T	8.0	24	0.009	16.9

1. Measured at  $\leq 10\%$  of rated current and 25°C ambient  
2. Melting  $I^2t$  at 0.001 sec clear-time

## Shape and Dimensions:



## Recommended Land Pattern:

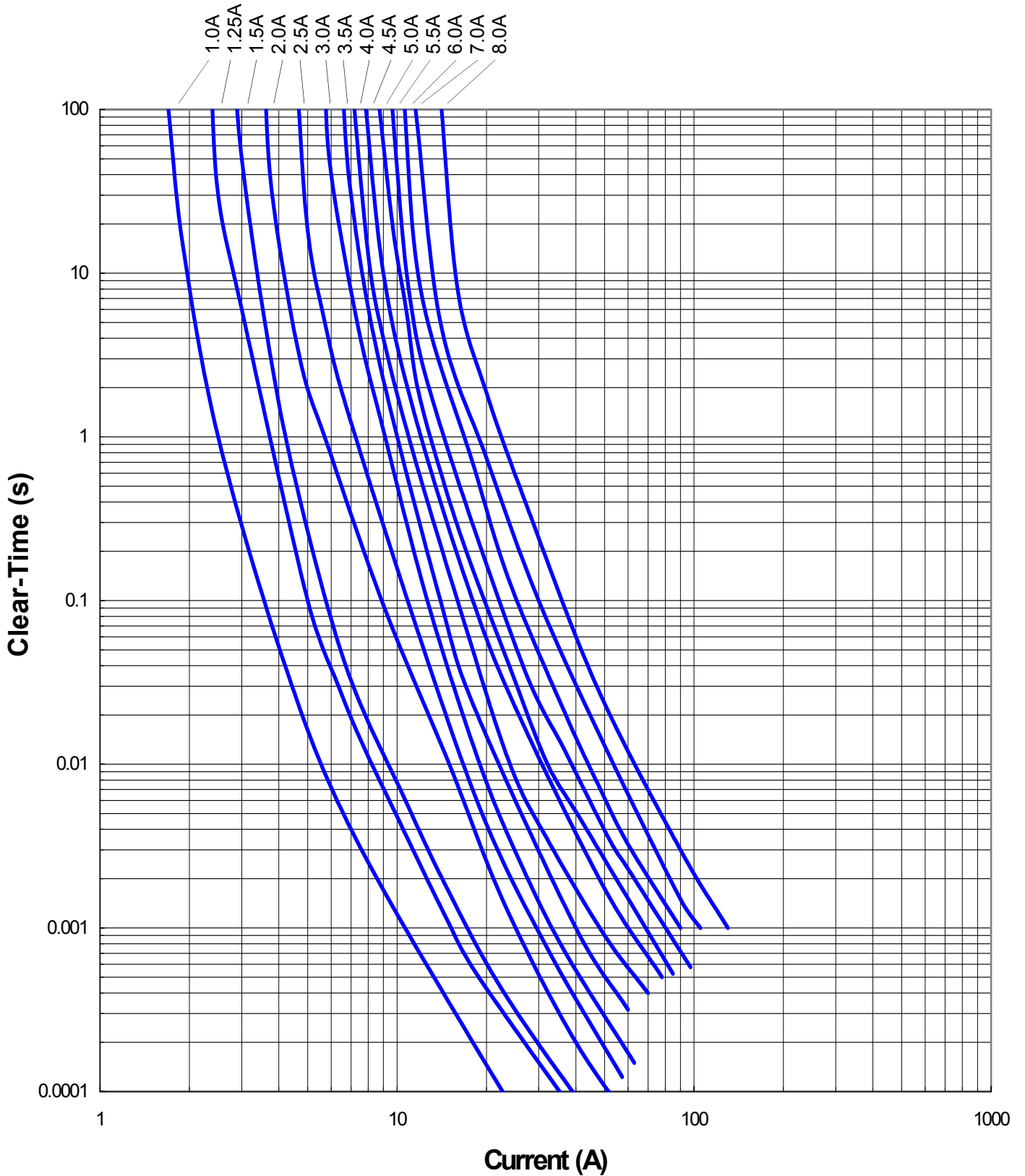


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Average



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### $I^2t$ vs. $t$ Curves

