

SolidMatrix® 1206 Slow Blow Surface Mount Fuses

Features:

- High inrush current withstanding capability
- Multilayer monolithic structure with glass ceramic body and silver fusing element
- Silver termination with nickel and pure-tin solder plating, providing excellent solderability
- Standard EIA1206/EIAJ3216 size
- Compatible with both wave and reflow soldering processes
- Operating temperature range: -55°C to +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; 6,602,766; 7,268,661 B2; and other pending patents.

Interrupting Ratings:

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

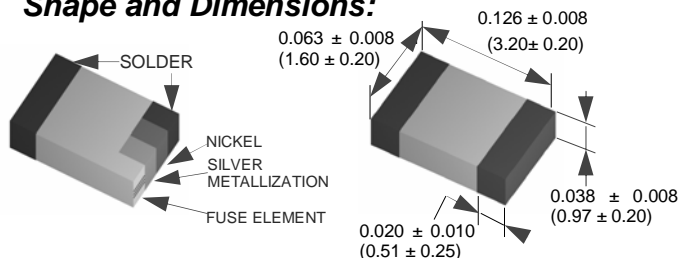
Marking(Optional): Red Marking Character Code
1A:E, 1.25A:F, 1.5A:G, 2A:I, 2.5A:J, 3A:K, 3.5A:L, 4A:M,
4.5A:T, 5A:N, 5.5A:U, 6A:O, 7A:P, 8A:R

Ordering Information:

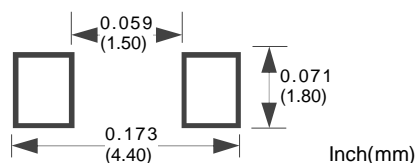
Part Number	Current Rating (A)	Voltage Rating (VDC)	Nominal Cold DCR (Ω) ¹	Nominal I ² t (A ² s) ²
F1206SB1000V063T	1.0	63	0.360	0.11
F1206SB1250V063T	1.25	63	0.200	0.22
F1206SB1500V063T	1.5	63	0.150	0.23
F1206SB2000V063T	2.0	63	0.082	0.63
F1206SB2500V032T	2.5	32	0.070	0.90
F1206SB3000V032T	3.0	32	0.032	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 I²t at 0.001 sec clear-time

Shape and Dimensions:



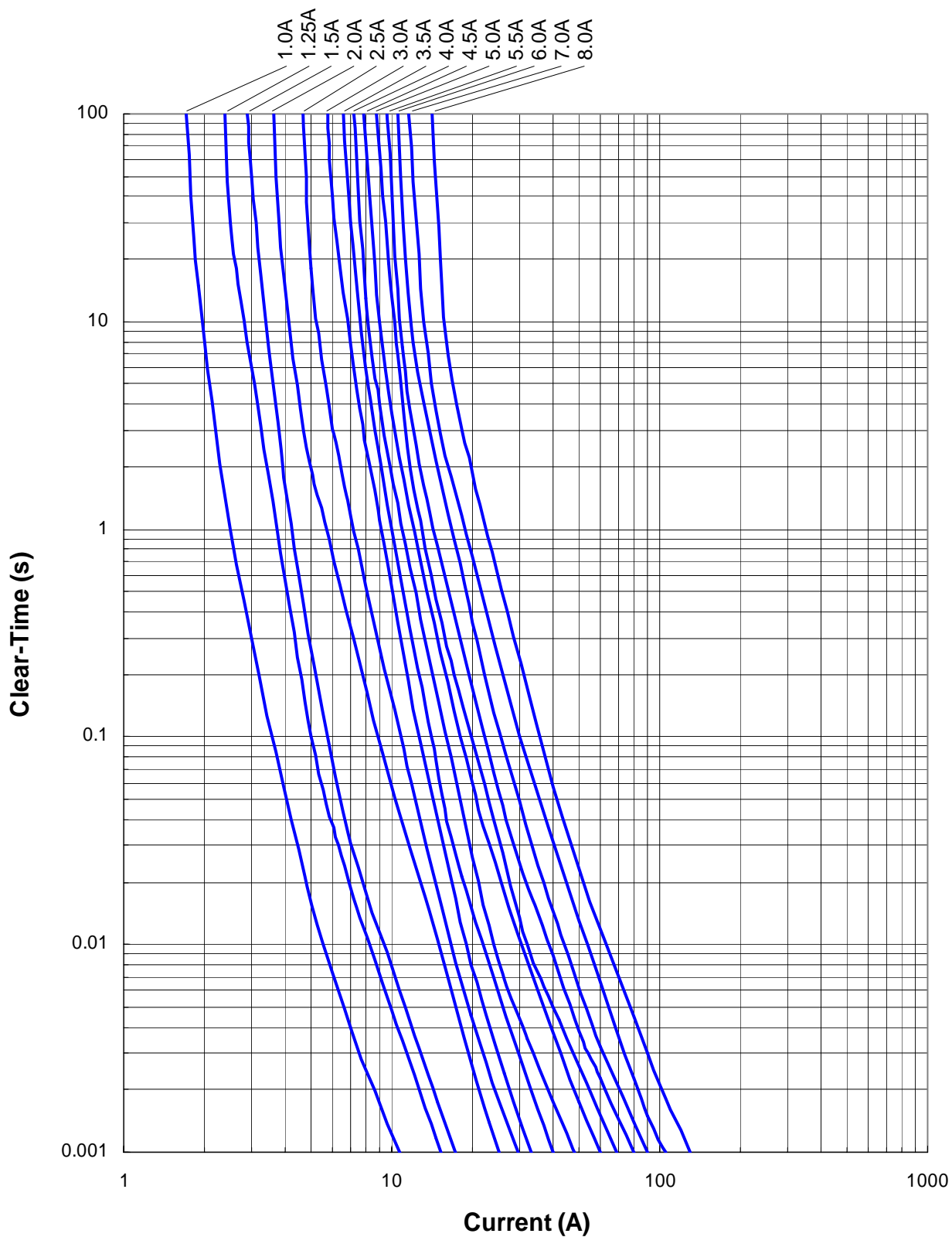
Recommended Land Pattern:



SolidMatrix® 1206 Slow Blow Surface Mount Fuses



Average Clear-Time Curves



SolidMatrix® 1206 Slow Blow Surface Mount Fuses



Average I^2t vs. t Curves

