

SolidMatrix® 1206 Slow Blow Surface Mount Fuses (Sn/Pb Terminations)



Features:

- High inrush current withstanding capability
- Multilayer monolithic structure with glass ceramic body and silver fusing element
- Silver termination with nickel and Sn/Pb 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)



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; 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

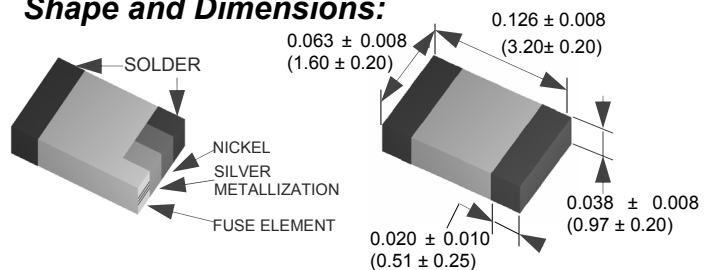
Ordering Information:

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

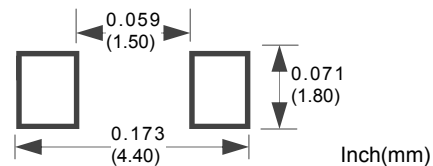
1. Measured at $\leq 10\%$ of rated current and 25°C ambient

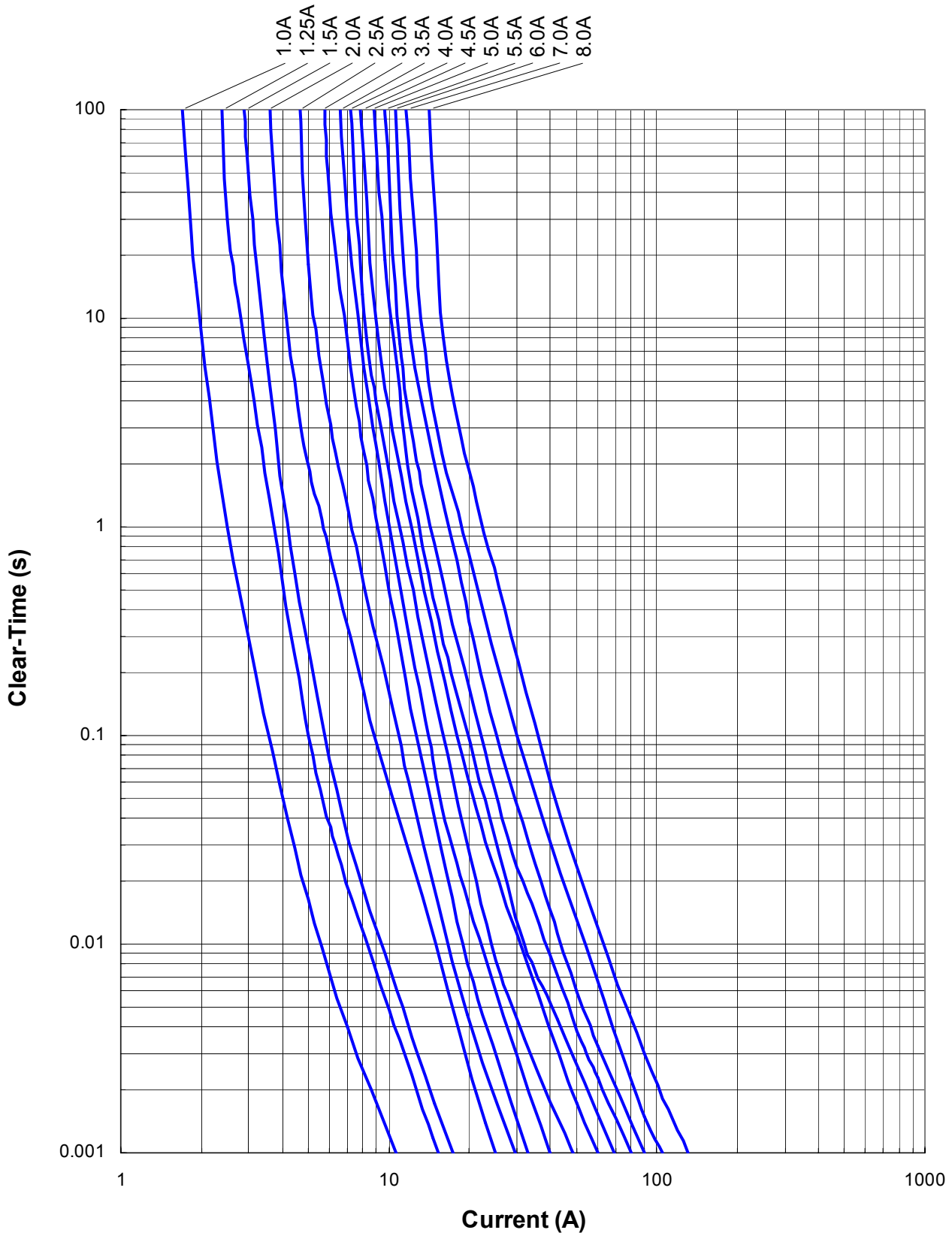
2. Melting I^2t at 0.001 sec clear-time

Shape and Dimensions:



Recommended Land Pattern:



SolidMatrix[®] 1206 Slow Blow Surface Mount Fuses (Sn/Pb Terminations)**Average Clear-Time Curves**

Average I^2t vs. t Curves
