

SolidMatrix® 1206 High Inrush Current Surface Mount Fuses



Features:

- High inrush current withstanding capability
- Ceramic Monolithic structure
- Silver fusing element and silver termination with nickel and tin plating
- RoHS compliant materials
- Standard EIA 1206/EIAJ3216 size
- Symmetrical design with marking on both sides (optional)
- Operating temperature: -55°C to +125°C (with de-rating)



Clear-Time Characteristics:

% of Current Rating	Clear-time at 25°C	
100%	4 hours min.	
200%	1 second min.	60 seconds max.
1000%	0.0002 seconds min.	0.02 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:

50A at rated voltages

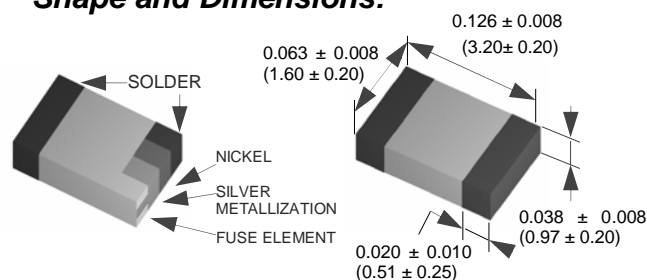
Marking(Optional): Green Marking Character Code
1A:E, 1.5A:G, 2A:I, 2.5A:J, 3A:K, 3.5A:L, 4A:M, 4.5A:T, 5A:N

Ordering Information:

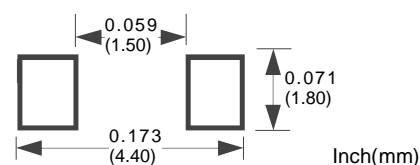
Part Number	Current Rating (A)	Voltage Rating (VDC)	Nominal Cold DCR (Ω) ¹	Nominal I^2t (A^2s) ²
F1206HI1000V063T	1.0	63	0.340	0.11
F1206HI1500V063T	1.5	63	0.150	0.33
F1206HI2000V063T	2.0	63	0.090	0.80
F1206HI2500V032T	2.5	32	0.070	1.19
F1206HI3000V032T	3.0	32	0.035	1.35
F1206HI3500V032T	3.5	32	0.029	1.84
F1206HI4000V032T	4.0	32	0.023	2.74
F1206HI4500V032T	4.5	32	0.021	3.20
F1206HI5000V032T	5.0	32	0.017	5.50

1. Measured at $\leq 10\%$ of rated current and 25°C ambient
2. Melting I^2t at 1000% of current rating

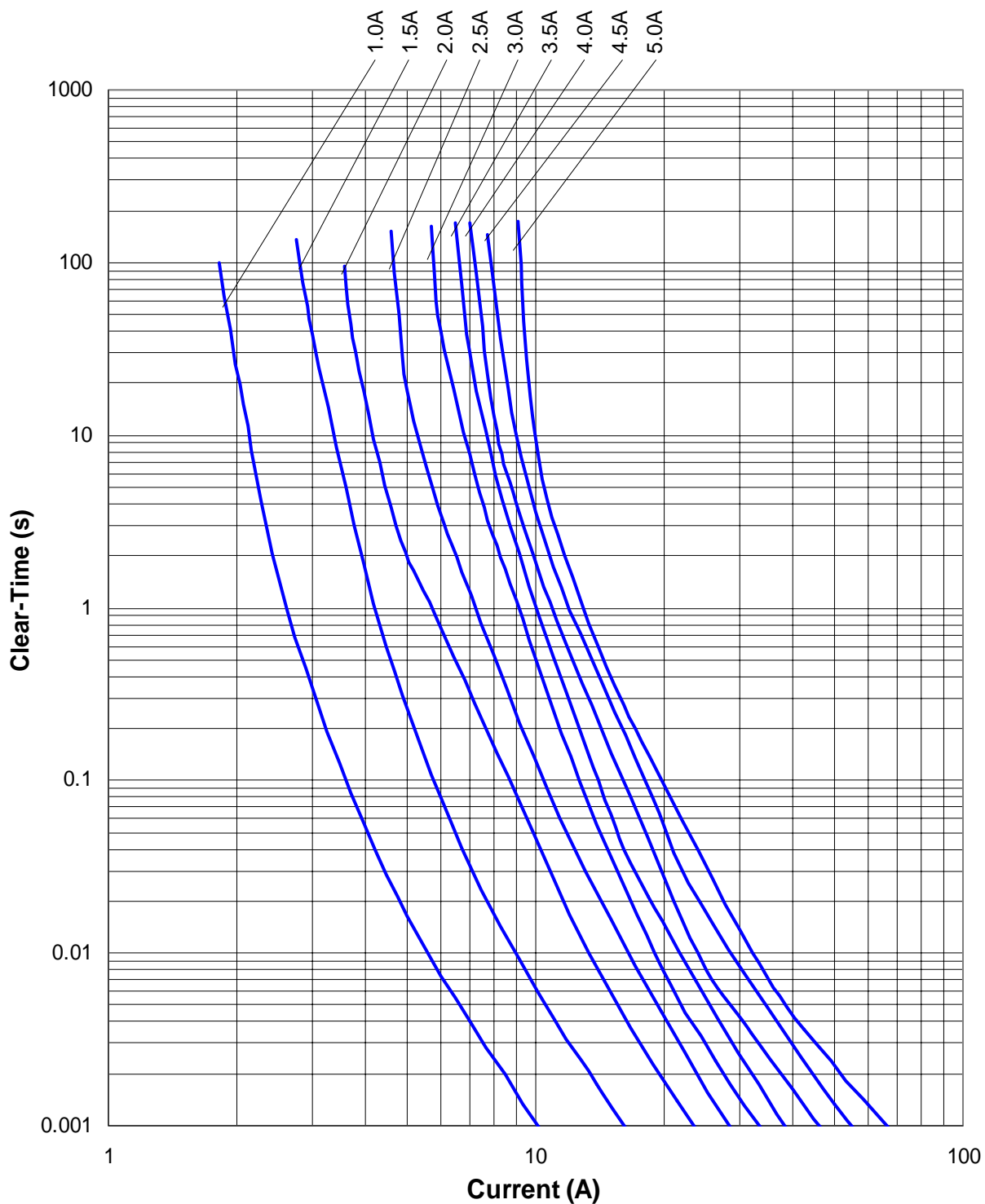
Shape and Dimensions:



Recommended Land Pattern:



Average Clear-Time Curves



Average I^2t vs. t Curves

