

# SolidMatrix® 1206 Fast Acting Surface Mount Fuses



## Features:

- Multilayer monolithic structure with glass ceramic body and silver fusing element
- Silver termination with nickel and pure-tin solder plating, providing excellent solderability
- Standard EIA 1206/EIAJ3216 size
- Compatible with both wave and reflow soldering processes
- Operating temperature range: -55°C to +125°C (with de-rating)
- RoHS compliant



## Clearing Time Characteristics (Fast Acting):

% of current rating	Clearing time at 25°C
100 %	4 hours min.
250 %	5 seconds max.
400 %	0.05 seconds max.

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

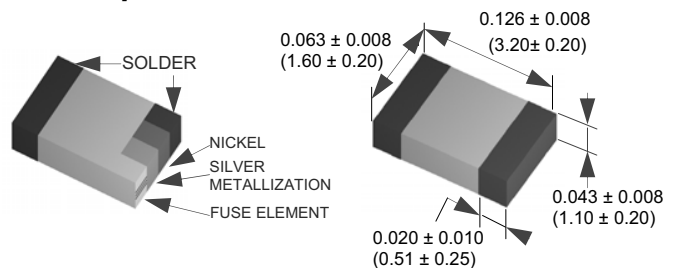
**Patents:** U.S. Patent numbers 6,034,589; 6,228,230; 6,602,766; 7,268,661 B2; and other pending patents.

## Interrupting Ratings:

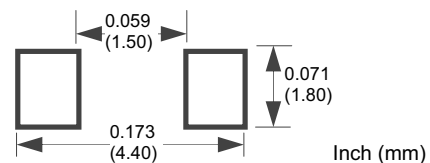
0.5 A - 3.0 A      50 A at rated voltages  
 4.0 A - 8.0 A      45 A at rated voltage

**Marking (Optional):** Black Marking Character Code  
 0.5 A:C, 0.75 A:D, 1.0 A:E, 1.5 A:G, 1.75 A:H, 2.0 A:I, 2.5 A:J, 3.0 A:K,  
 4.0 A:M, 5.0 A:N, 6.0 A:O, 7.0 A:P, 8.0 A:R

## Shape and Dimensions:



## Recommended Land Pattern:



## Ordering Information:

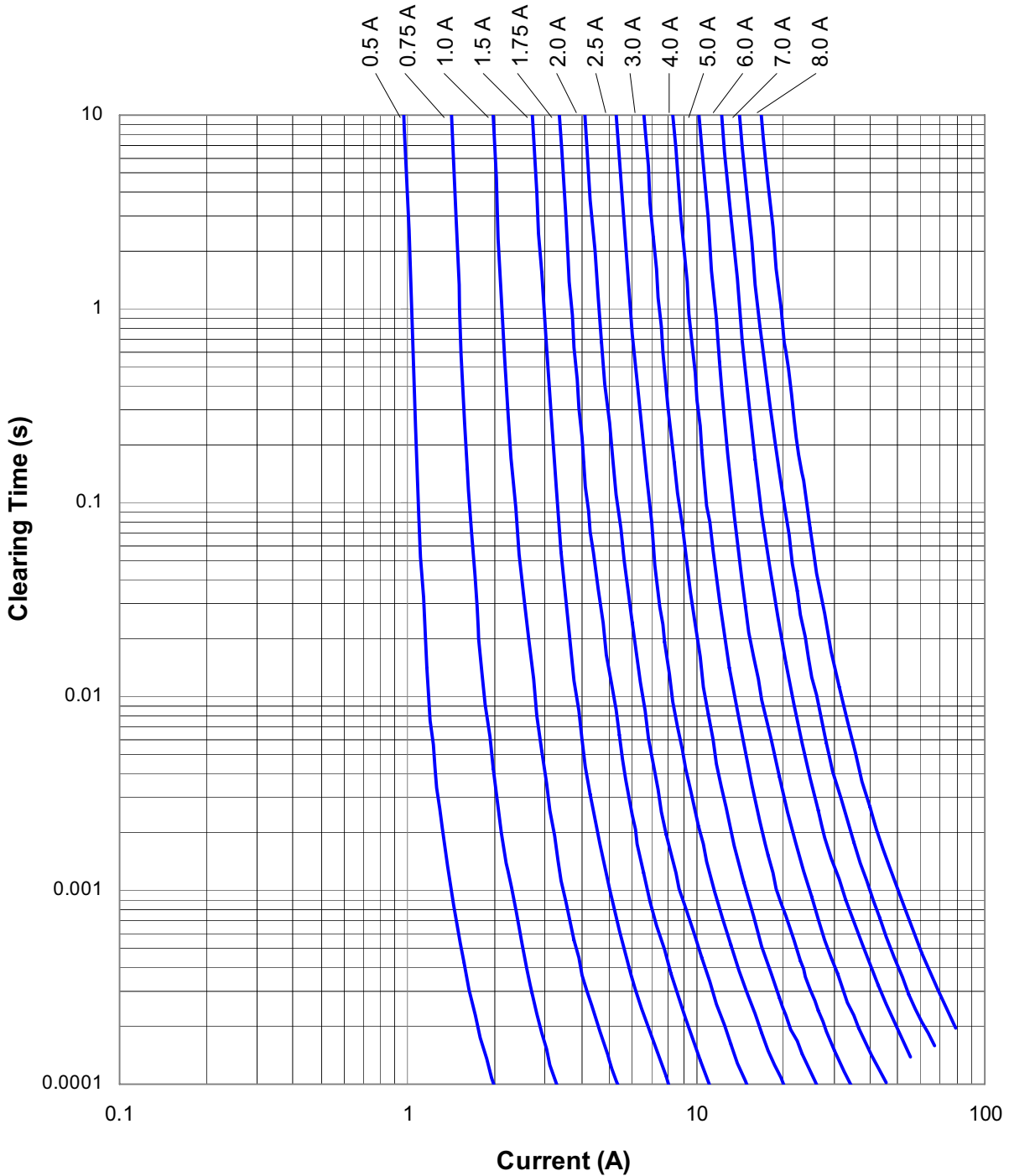
Part Number	Current Rating (A)	Voltage Rating (VDC)	Nominal Cold DCR ( $\Omega$ ) <sup>1</sup>
F1206FA0500V063T	0.5	63	0.730
F1206FA0750V063T	0.75	63	0.513
F1206FA1000V063T	1.0	63	0.220
F1206FA1500V063T	1.5	63	0.120
F1206FA1750V063T	1.75	63	0.100
F1206FA2000V063T	2.0	63	0.050
F1206FA2500V032T	2.5	32	0.035
F1206FA3000V032T	3.0	32	0.031
F1206FA4000V032T	4.0	32	0.022
F1206FA5000V032T	5.0	32	0.015
F1206FA6000V024T	6.0	32	0.013
F1206FA7000V024T	7.0	32	0.011
F1206FA8000V024T	8.0	32	0.008

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

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### Average Clearing Time Curves



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

