

SolidMatrix® 0603 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 0603/EIAJ1608 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%	200%
100%	4 hours min.	60 seconds max.
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

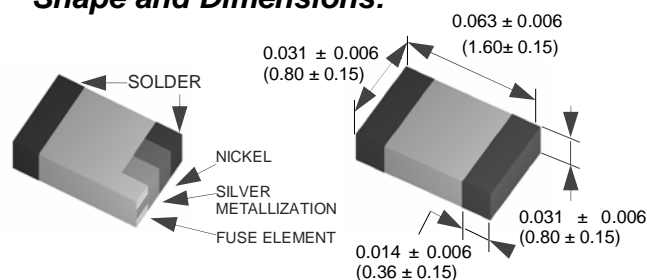
Patents: U.S. Patent numbers 6,034,589; 6,602,766; 7,268,661 B2; and other pending patents.

Interrupting Ratings:

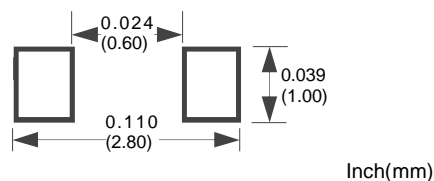
50A at rated voltage

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

Shape and Dimensions:



Recommended Land Pattern:



Ordering Information:

Part Number	Current Rating (A)	Voltage Rating (VDC)	Nominal Cold DCR (Ω) ¹	Nominal I ² t (A ² s) ²
F0603HI1000V032T	1.0	32	0.190	0.08
F0603HI1500V032T	1.5	32	0.101	0.11
F0603HI2000V032T	2.0	32	0.057	0.24
F0603HI2500V032T	2.5	32	0.042	0.56
F0603HI3000V032T	3.0	32	0.030	0.72
F0603HI3500V032T	3.5	32	0.022	1.10
F0603HI4000V032T	4.0	32	0.018	2.08
F0603HI4500V032T	4.5	32	0.014	2.63
F0603HI5000V032T	5.0	32	0.013	3.25

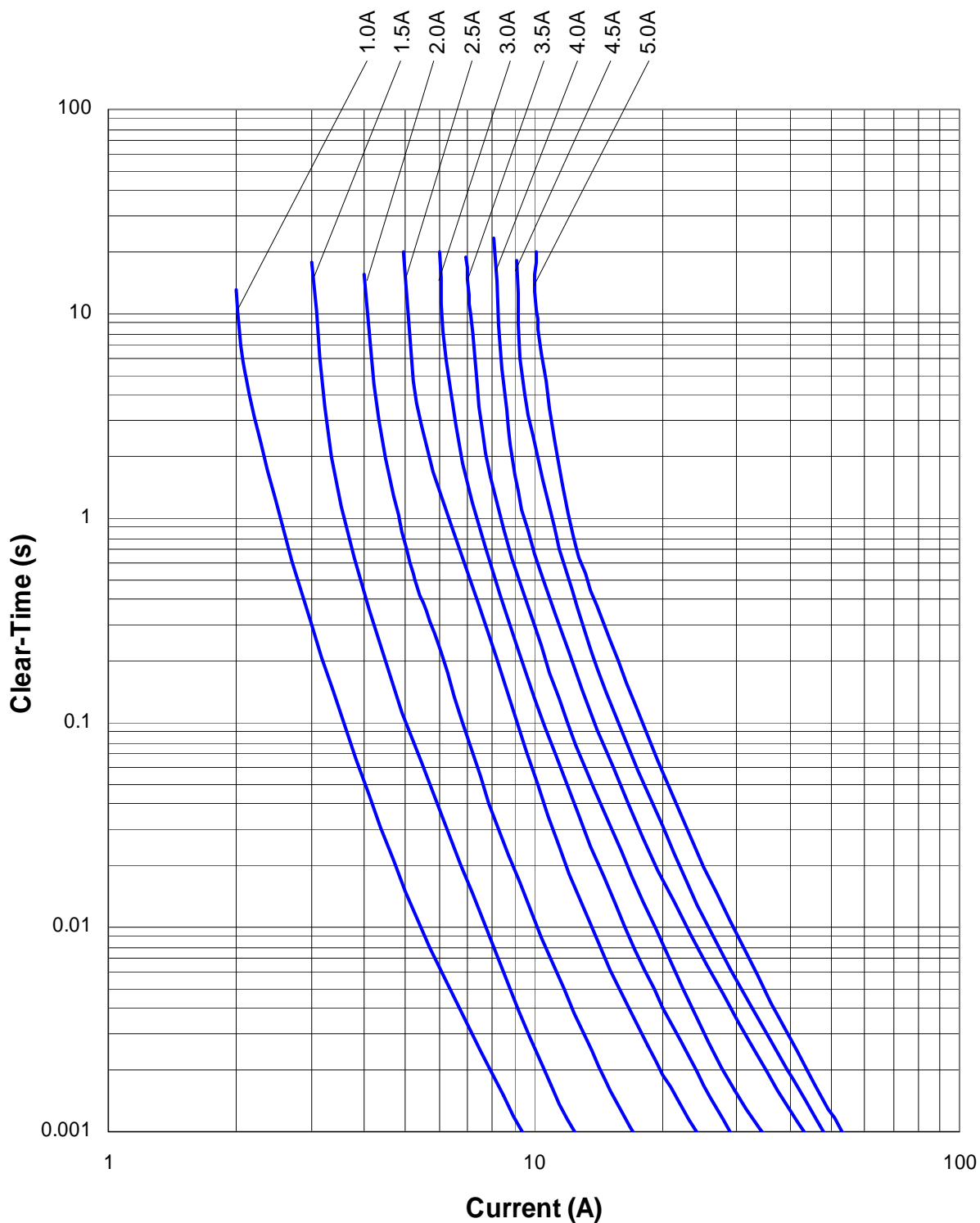
1. Measured at $\leq 10\%$ of rated current and 25°C ambient

2. Melting I²t at 1000% of current rating

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Average Clear-Time Curves



Average I^2t vs. t Curves

