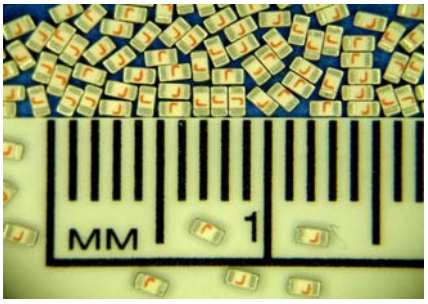
SolidMatrix® 0603 Slow Blow Surface Mount Fuses

Features:

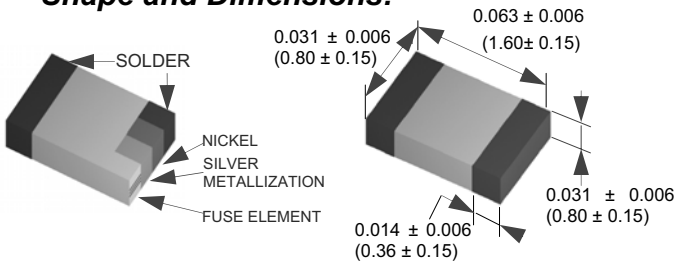
- High inrush current withstanding capability
- Ceramic Monolithic structure
- Silver fusing element and silver termination with nickel and tin plating
- RoHS compliant materials
- Standard EIA0603 / EIAJ1608 size
- Symmetrical design with marking on both sides (optional)
- Operating temperature: -55°C to +125°C (with de-rating)



Clearing Time Characteristics:

% of Current Rating	Clearing time at 25°C	
100 %	4 hours min.	
200 %	1 second min.	120 seconds max.
300 %	0.1 seconds min.	3 seconds max.
800 % (1 A - 1.5 A)	0.0005 seconds min.	0.05 seconds max.
800 % (2 A - 8 A)	0.001 seconds min.	0.05 seconds max.

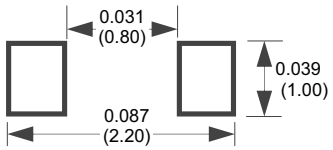
Shape and Dimensions:



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.

Recommended Land Pattern:



Inch (mm)

Interrupting Ratings:

1.0 A - 5.0 A	50 A at rated voltage
6.0 A - 8.0 A	80 A at rated voltage

Marking (Optional): Red Marking Character Codes
1.0 A:E, 1.5 A:G, 2.0 A:I, 2.5 A:J, 3.0 A:K, 3.5 A:L, 4.0 A:M, 4.5 A:T, 5 .0A:N, 6.0 A:O, 7.0 A:P, 8.0 A:R

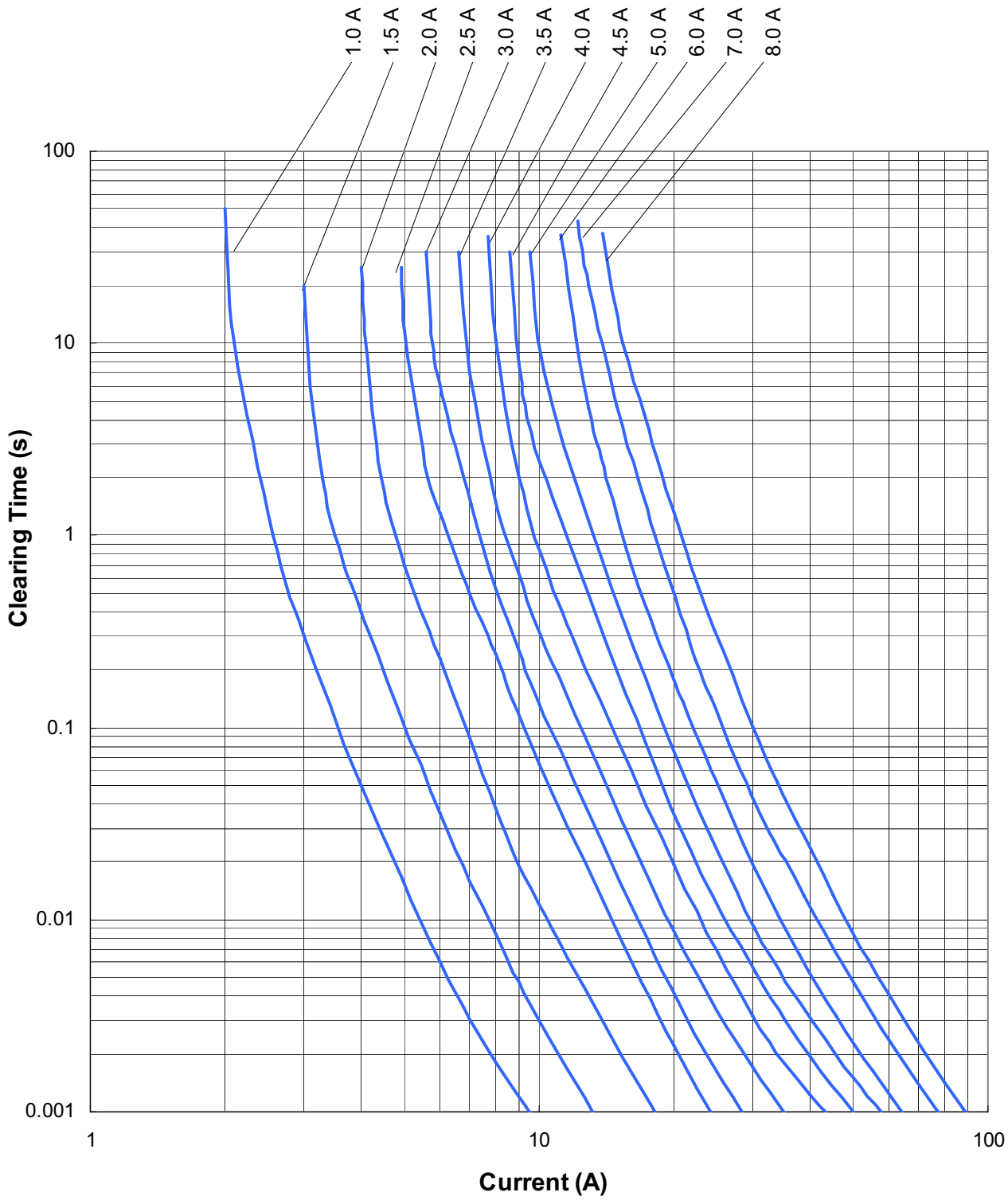
Ordering Information:

Part Number	Current Rating (A)	Voltage Rating (VDC)	Nominal Cold DCR (Ω)[1]	Nominal I^2t $(A^2s)^2$
F0603SB1000V032T	1.0	32	0.200	0.093
F0603SB1500V032T	1.5	32	0.100	0.18
F0603SB2000V032T	2.0	32	0.052	0.32
F0603SB2500V032T	2.5	32	0.041	0.63
F0603SB3000V032T	3.0	32	0.031	0.87
F0603SB3500V032T	3.5	32	0.021	1.20
F0603SB4000V032T	4.0	32	0.017	2.30
F0603SB4500V032T	4.5	32	0.015	2.70
F0603SB5000V032T	5.0	32	0.013	3.20
F0603SB6000V032T	6.0	32	0.010	4.00
F0603SB7000V032T	7.0	32	0.008	5.00
F0603SB8000V032T	8.0	32	0.006	7.00

1. Measured at ≤ 10 % of rated current and 25ºC ambient
2. Melting I^2t at 0.001 second clearing time

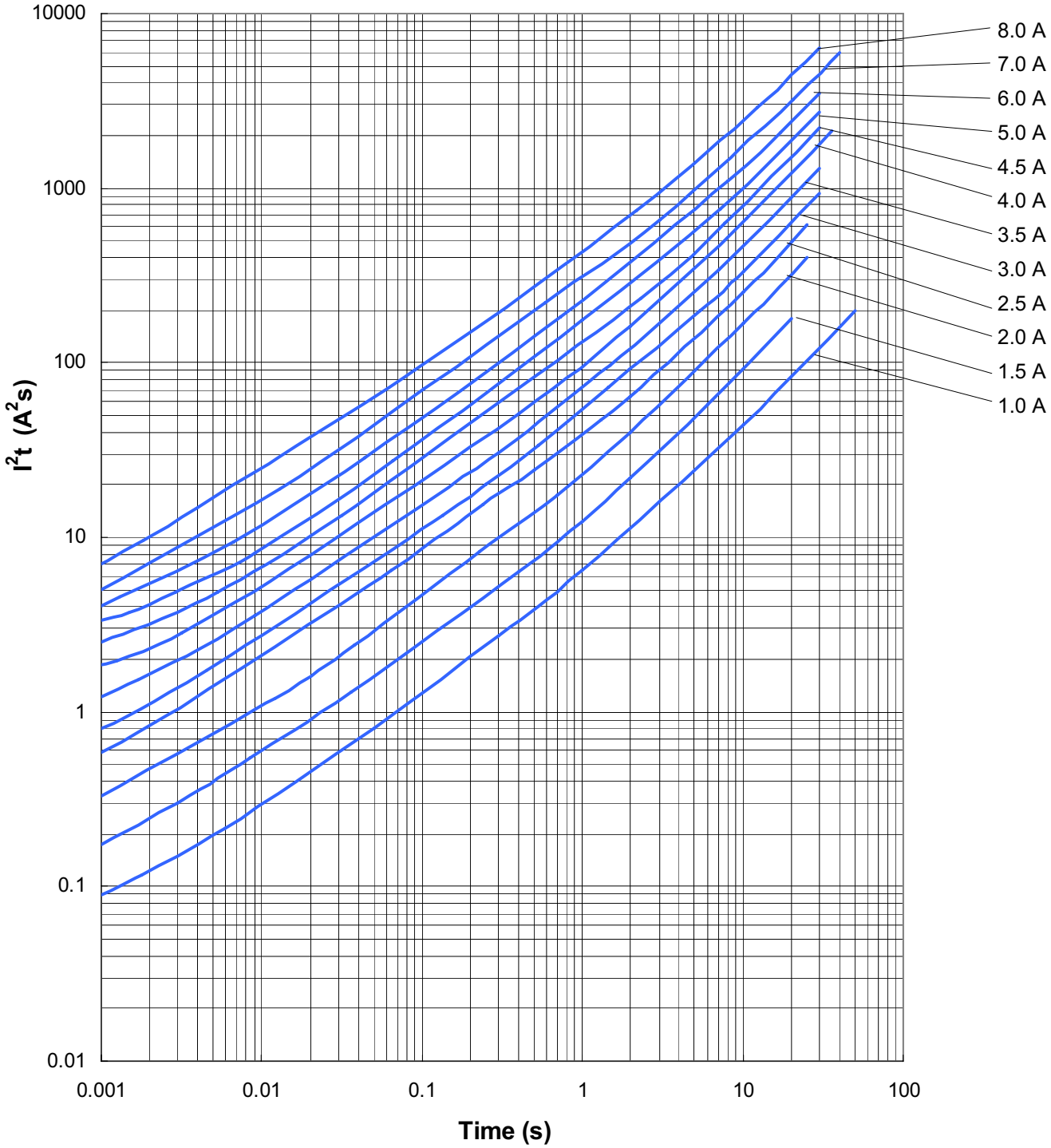
SolidMatrix® 0603 Slow Blow Surface Mount Fuses

Average Clearing Time Curves



SolidMatrix® 0603 Slow Blow Surface Mount Fuses

Average I^2t vs. t Curves



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

AEM:
F0603SB1000V032T F0603SB1500V032T F0603SB2000V032T F0603SB2500V032T F0603SB3000V032T F0603SB3500V032T F0603SB4000V032T F0603SB4500V032T F0603SB5000V032T F0603SB6000V032 F0603SB7000V032 F0603SB8000V032