

## SolidMatrix® Surface Mount Fuses

### FA Series (Fast Acting), 0603 Size



#### Features:

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

#### Clearing Time Characteristics:

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

#### Shape and Dimensions:

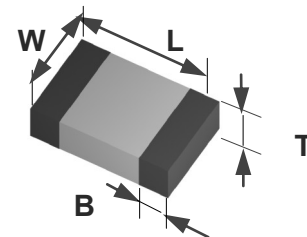
Unit	Inch	mm
L	0.063 ± 0.006	1.60 ± 0.15
W	0.031 ± 0.006	0.80 ± 0.15
T	0.031 ± 0.006	0.80 ± 0.15
B	0.014 ± 0.006	0.36 ± 0.15

#### Agency Approval:

Recognized Under the Components Program of UL.  
File Number: E232989.

#### Patents:

Patent numbers "US6,034,589", "US6,602,766", "US7,268,661 B2", "ZL00134544.3", "ZL02114719.1", "ZL200410104280.7", "ZL201020551360.8", "ZL201010299185.2", "ZL201220030614.0", "ZL201210020693.1".



#### Ordering Information:

Part Number	Current Rating (A)	Voltage Rating (VDC)	Interrupting Ratings	Nominal Cold DCR ( $\Omega$ ) <sup>1</sup>	Nominal I <sup>2</sup> t (A <sup>2</sup> s) <sup>2</sup>	Marking (Optional) <sup>3</sup>
F0603FA0500V063T	0.5	63	35 A at rated voltages	0.485	0.003	C
F0603FA0750V063T	0.75	63		0.254	0.006	D
F0603FA1000V063T	1.0	63		0.147	0.013	E
F0603FA1500V063T	1.5	63		0.059	0.030	G
F0603FA2000V032T	2.0	32		0.044	0.060	I
F0603FA2500V032T	2.5	32		0.032	0.10	J
F0603FA3000V032T	3.0	32		0.025	0.18	K
F0603FA3500V032T	3.5	32		0.024	0.30	L
F0603FA4000V032T	4.0	32		0.018	0.50	M
F0603FA5000V032T	5.0	32		0.013	0.80	N
F0603FA6000V024T	6.0	24		0.010	1.10	O

1. Measured at ≤ 10% rated current and 25°C ambient.

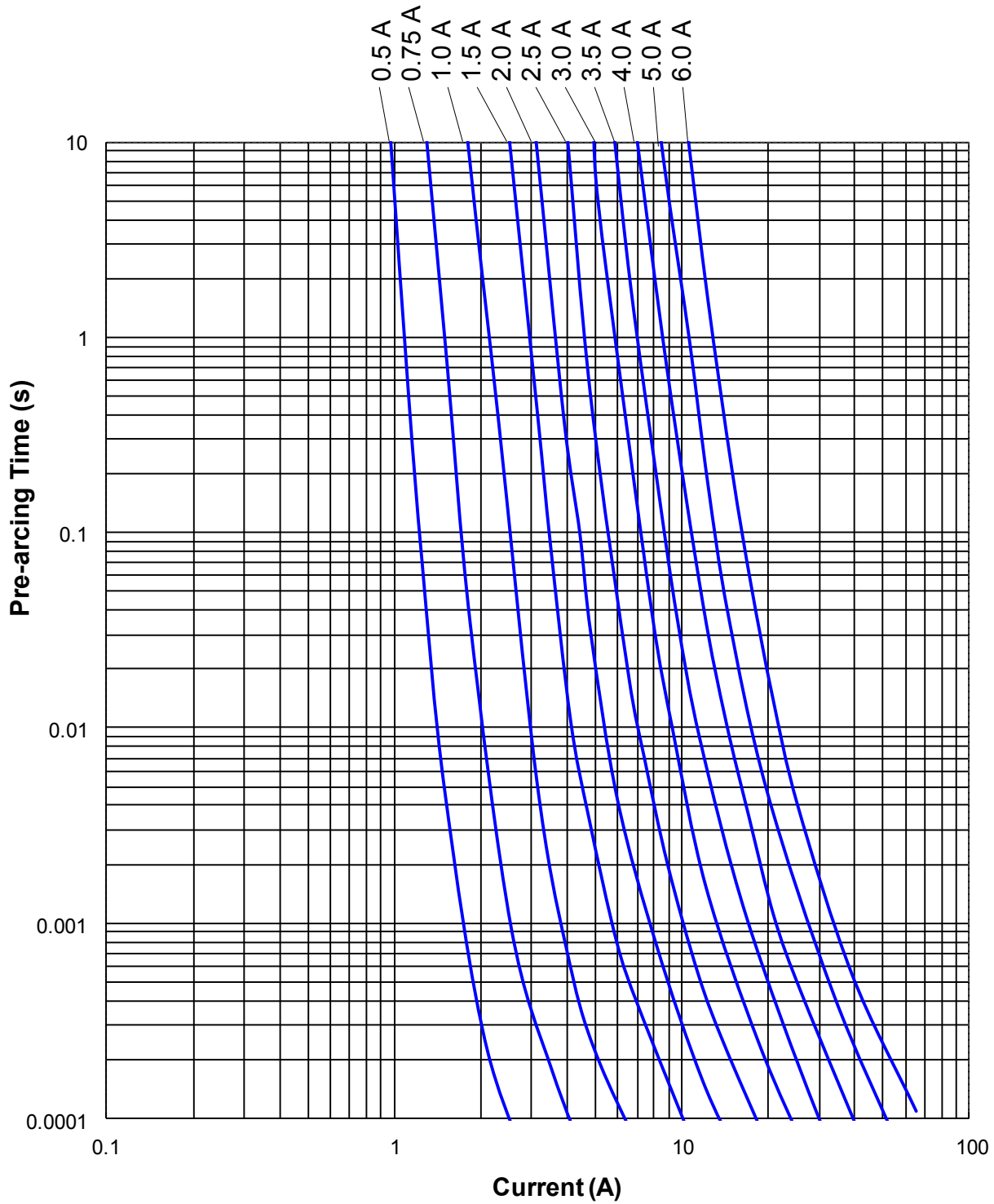
2. Melting I<sup>2</sup>t at 0.001 second pre-arcing time.

3. Black Marking Character Code.

# SolidMatrix<sup>®</sup> Surface Mount Fuses

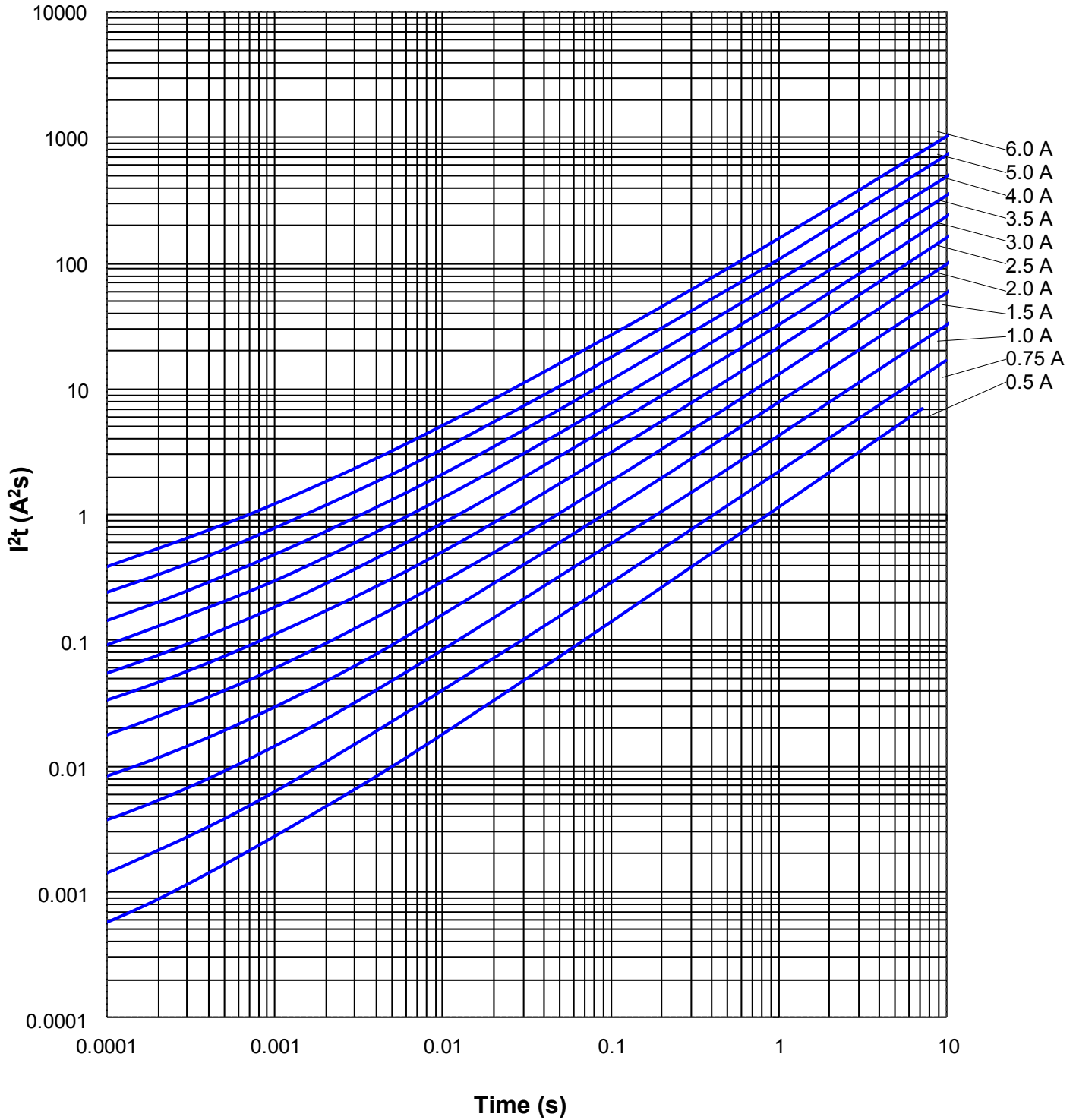
## FA Series (Fast Acting), 0603 Size

### Average Pre-arcing Time Curves:



**SolidMatrix® Surface Mount Fuses**  
**FA Series (Fast Acting), 0603 Size**

**Average I<sup>2</sup>t vs. t Curves:**



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Surface Mount Fuses](#) category:*

*Click to view products by [AEM](#) manufacturer:*

Other Similar products are found below :

[FHC20402ADTP](#) [FT600-0500-2](#) [NFVC6125S0R50TRF](#) [SFT-125MA](#) [TF16SN2.00TTD](#) [TF16SN3.15TTD](#) [41921000000](#) [TR/3216LR-500MA](#) [CCP2B20TTE](#) [TR-3216FF4-R](#) [SST 1-1K](#) [SST 5 -1K](#) [SST 2-1K](#) [TR2-TCP500-R](#) [F60C500V12AS](#) [FCC16501ABTP](#) [FCC16102ABTP](#) [FHC16322ADTP](#) [0308.250UR](#) [0308.375UR](#) [0308.500UR](#) [0308.750UR](#) [0308001.UR](#) [030801.5UR](#) [FCC16202ABTP](#) [3-122-714](#) [3-122-720](#) [3-122-718](#) [3-122-712](#) [3-122-716](#) [03081.25UR](#) [CQ06LF 5A 32V](#) [CQ06LT 5A 32V](#) [SET 2A 125V \(G\)](#) [SET 1A 125V \(G\)](#) [SEF 10A 125V \(G\)](#) [SEF 3A 125V \(G\)](#) [SEF 4A 125V \(G\)](#) [SEF 6A 125V \(G\)](#) [SEF 7A 125V \(G\)](#) [SET 4A 125V \(G\)](#) [SET 3A 125V \(G\)](#) [SET 5A 125V \(G\)](#) [SET 7A 125V \(G\)](#) [F0603G0R03FNTR](#) [SKY87604-12](#) [SKY87604-11](#) [SKY87604-13](#) [0154002.DRL](#) [0154008.DRL](#)