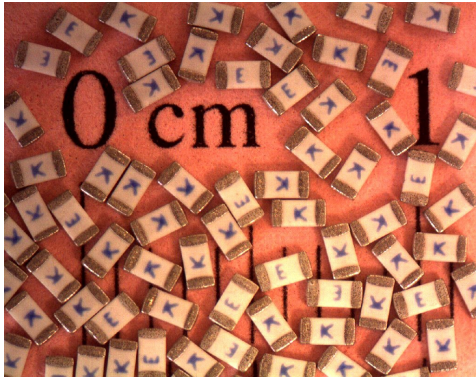


SolidMatrix® Surface Mount Fuses

FF Series (Very Fast Acting), 0603 Size



Features:

- Very fast acting at 200% and 300% overloads
- Excellent inrush current withstanding capability at high overloads
- Thin body for space limiting applications
- Glass ceramic monolithic structure
- Silver fusing element and silver termination with nickel and tin plating
- Symmetrical design with marking on both sides (optional)
- 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.
200%	0.01 seconds min.	5 seconds max.
300%	0.001 seconds min.	0.2 seconds max.

Agency Approval:

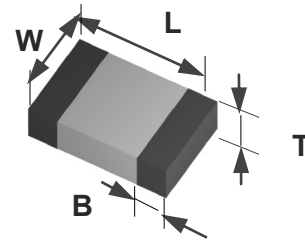
Recognized Under the Components Program of UL.
File Number: E232989.

Patents:

Patent numbers "US6,034,589", "US6,602,766", "US6,844,278", "ZL00134544.3", "ZL02114719.1", "ZL201020551360.8", "ZL201010299185.2", "ZL201220030614.0", "ZL201210020693.1".

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	0.012 + 0.007 / -0.003	0.30 + 0.18 / -0.08
B	0.014 ± 0.006	0.36 ± 0.15



Ordering Information:

Part Number	Current Rating(A)	Voltage Rating (VDC)	Interrupting Ratings	Nominal Cold DCR(Ω) ¹	Nominal I ² t (A ² s) ²	Marking (Optional) ³
F0603FF0500V032T	0.5	32	50 A at rated voltage	1.000	0.0093	C
F0603FF0750V032T	0.75	32		0.450	0.0191	D
F0603FF1000V032T	1.0	32		0.280	0.036	E
F0603FF1250V032T	1.25	32	35 A at rated voltage	0.205	0.063	F
F0603FF1500V032T	1.5	32		0.143	0.095	G
F0603FF1750V032T	1.75	32		0.095	0.14	H
F0603FF2000V032T	2.0	32		0.073	0.21	I
F0603FF2500V032T	2.5	32		0.046	0.30	J
F0603FF3000V032T	3.0	32		0.039	0.46	K
F0603FF3500V032T	3.5	32		0.028	0.73	L
F0603FF4000V032T	4.0	32		0.023	1.15	M
F0603FF4500V032T	4.5	32		0.019	1.68	T
F0603FF5000V032T	5.0	32	0.015	2.62	N	

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

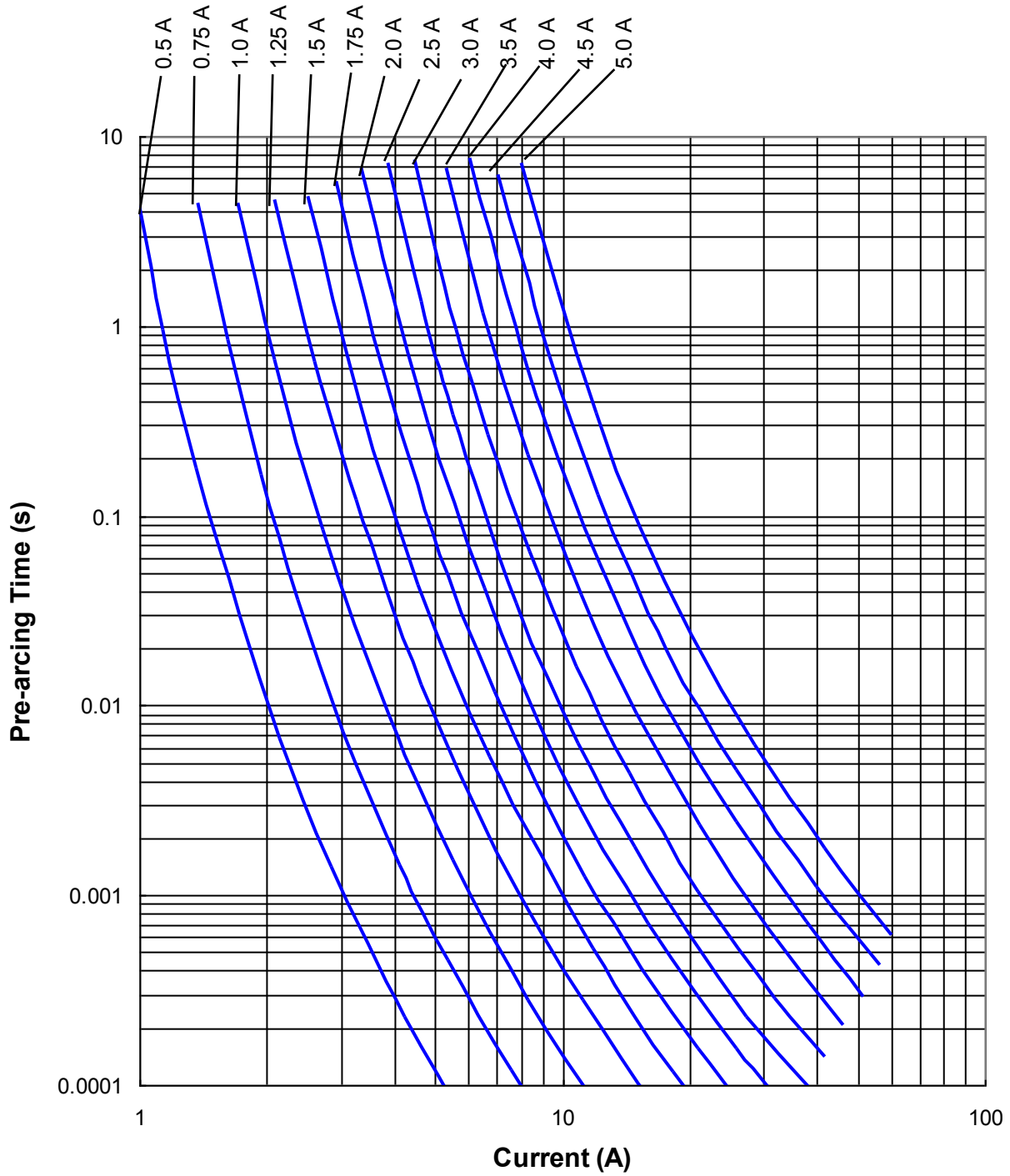
2. Melting I²t at 0.001 second pre-arcing time.

3. Blue Marking Character Code.

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Average Pre-arcing Time Curves:



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Average I^2t vs. t Curves:

