

SolidMatrix® Surface Mount Fuses

FA Series (Fast Acting), 1206 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:

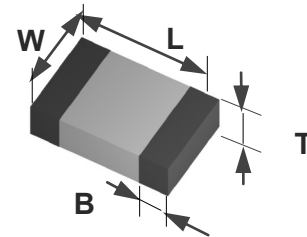
Unit	Inch	mm
L	0.126 ± 0.008	3.20 ± 0.20
W	0.063 ± 0.008	1.60 ± 0.20
T	0.033 ± 0.008	0.85 ± 0.20
B	0.020 ± 0.010	0.51 ± 0.25

Agency Approval:

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

Patents:

Patent numbers "US6,034,589", "US6,228,230", "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 (Ω) ¹	Nominal I^2t (A^2s) ²	Marking (Optional) ³
F1206FA0500V063T	0.5	63	50 A at rated voltages	0.730	0.002	C
F1206FA0750V063T	0.75	63		0.513	0.005	D
F1206FA1000V063T	1.0	63		0.220	0.011	E
F1206FA1500V063T	1.5	63		0.120	0.024	G
F1206FA1750V063T	1.75	63		0.100	0.045	H
F1206FA2000V063T	2.0	63		0.050	0.075	I
F1206FA2500V032T	2.5	32		0.035	0.11	J
F1206FA3000V032T	3.0	32	0.031	0.21	K	
F1206FA4000V032T	4.0	32	45 A at rated voltages	0.022	0.35	M
F1206FA5000V032T	5.0	32		0.015	0.60	N
F1206FA6000V032T	6.0	32		0.013	1.0	+
F1206FA7000V032T	7.0	32		0.011	1.6	-
F1206FA8000V032T	8.0	32		0.008	2.3	=

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

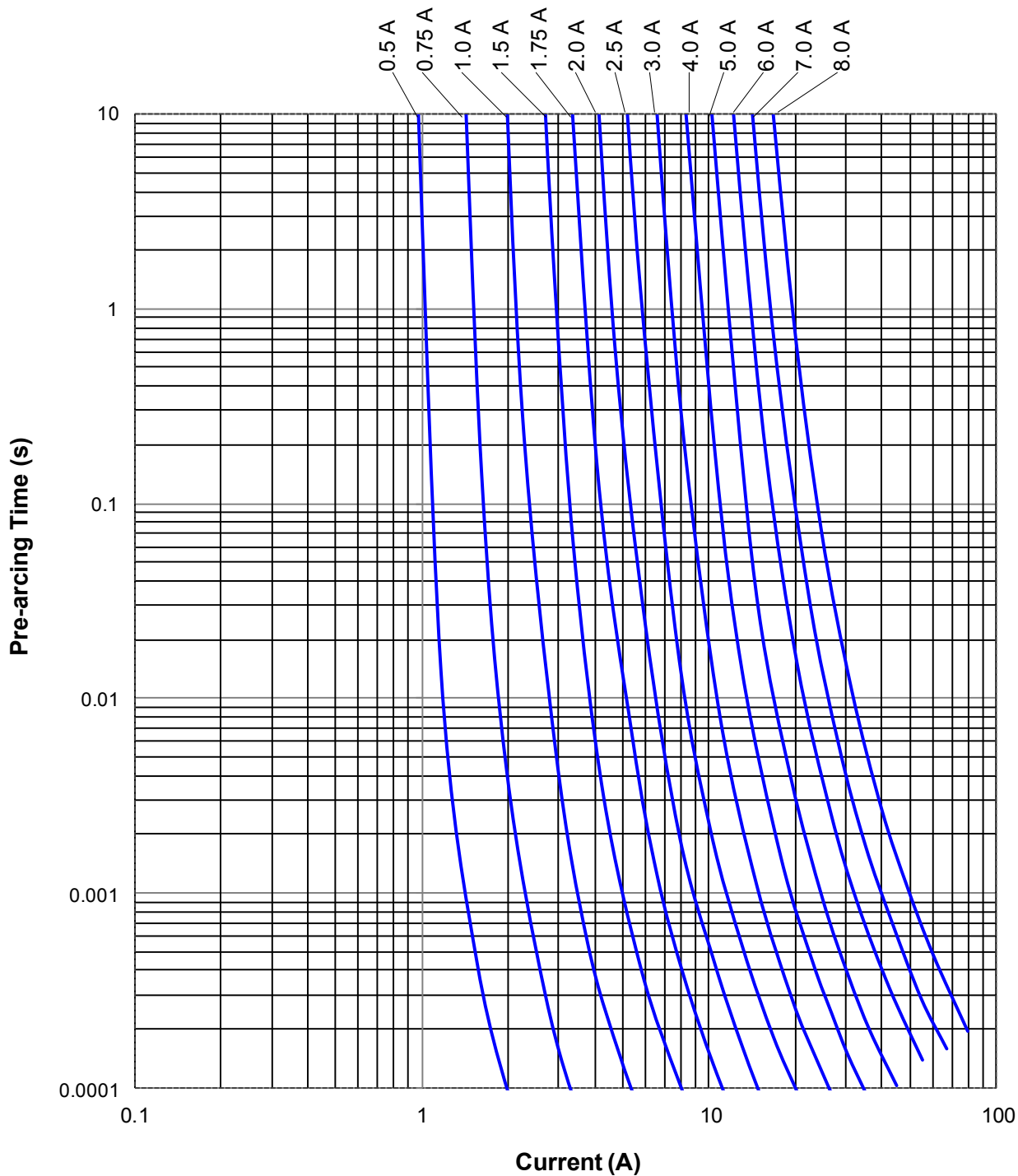
2. Melting I^2t at 0.001 second pre-arcing time.

3. Black Marking Character Code.

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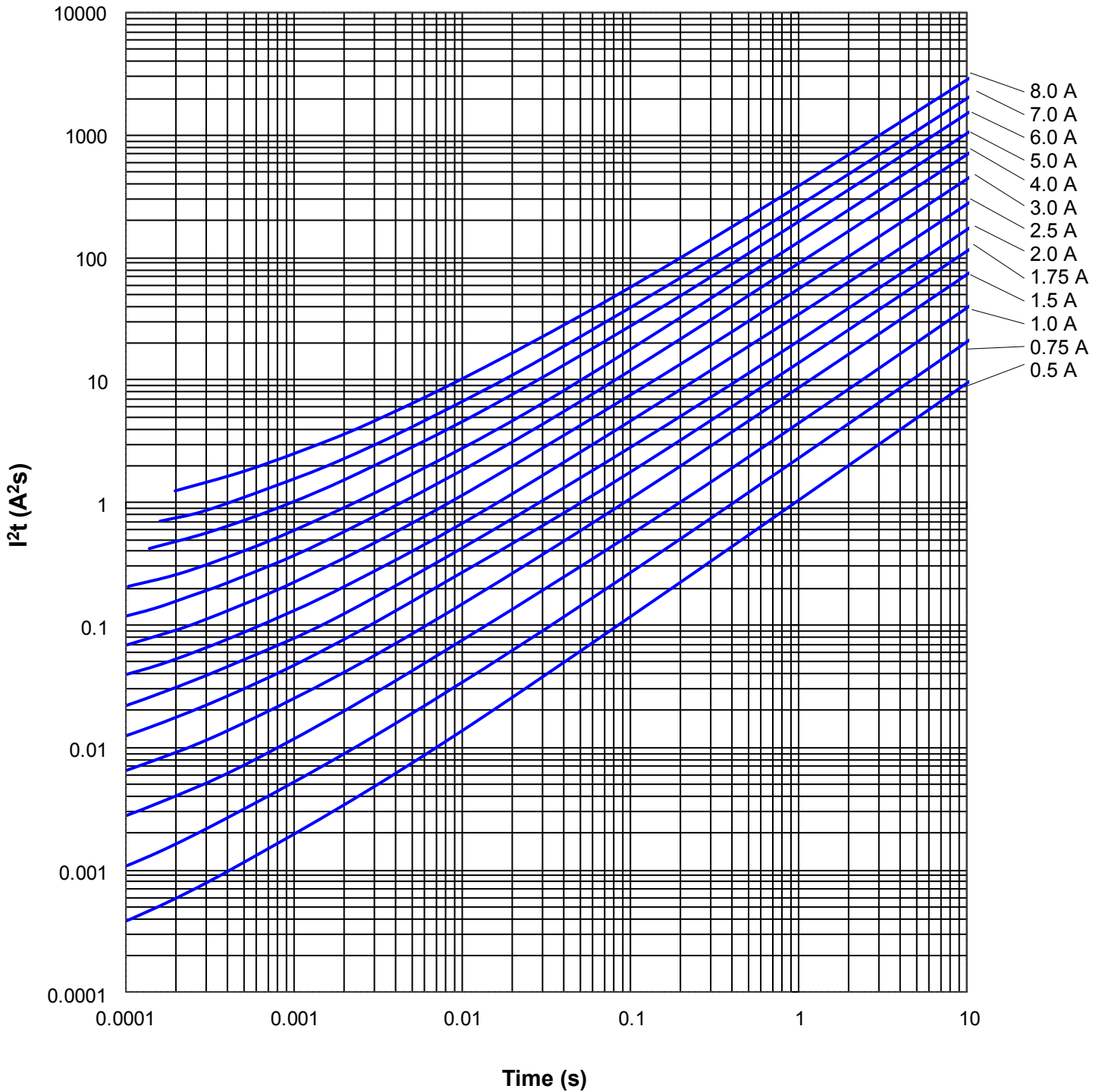
Average Pre-arcing Time Curves:



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Average I^2t vs. t Curves:



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