

SolidMatrix[®] Surface Mount Fuses

SB Series, 1206 Size



Features:

- High inrush current withstanding capability
- 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	
	min.	max.
100%	4 hours	
200%	1 second	120 seconds
300%	0.1 seconds	3 seconds
800%	0.002 seconds	0.05 seconds

Shape and Dimensions:

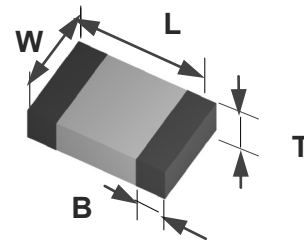
Unit	Inch	mm
L	0.126 ± 0.008	3.20 ± 0.20
W	0.063 ± 0.008	1.60 ± 0.20
T	0.038 ± 0.008	0.97 ± 0.20
B	0.020 ± 0.010	0.51 ± 0.25

Agency Approval:

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

Patents:

Patent numbers "US6,034,589", "US6,602,766", "US7,268,661 B2", "ZL00134544.3", "ZL02114719.1", "ZL200410104280.7", "ZL201020551352.3", "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 ² t (A ² s) ²	Marking (Optional) ³
F1206SB1000V063T	1.0	63	50 A at rated voltages	0.360	0.11	E
F1206SB1250V063T	1.25	63		0.200	0.22	F
F1206SB1500V063T	1.5	63		0.150	0.23	G
F1206SB2000V063T	2.0	63		0.088	0.63	I
F1206SB2500V032T	2.5	32		0.065	0.90	J
F1206SB3000V032T	3.0	32		0.034	1.20	K
F1206SB3500V032T	3.5	32		0.028	1.60	L
F1206SB4000V032T	4.0	32		0.024	2.20	M
F1206SB4500V032T	4.5	32		0.020	3.60	T
F1206SB5000V032T	5.0	32		0.018	5.30	N
F1206SB5500V024T	5.5	24		0.014	6.40	U
F1206SB6000V024T	6.0	24		60 A at rated voltage	0.011	8.50
F1206SB7000V024T	7.0	24	0.010		10.0	P
F1206SB8000V024T	8.0	24	0.009		16.9	R

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

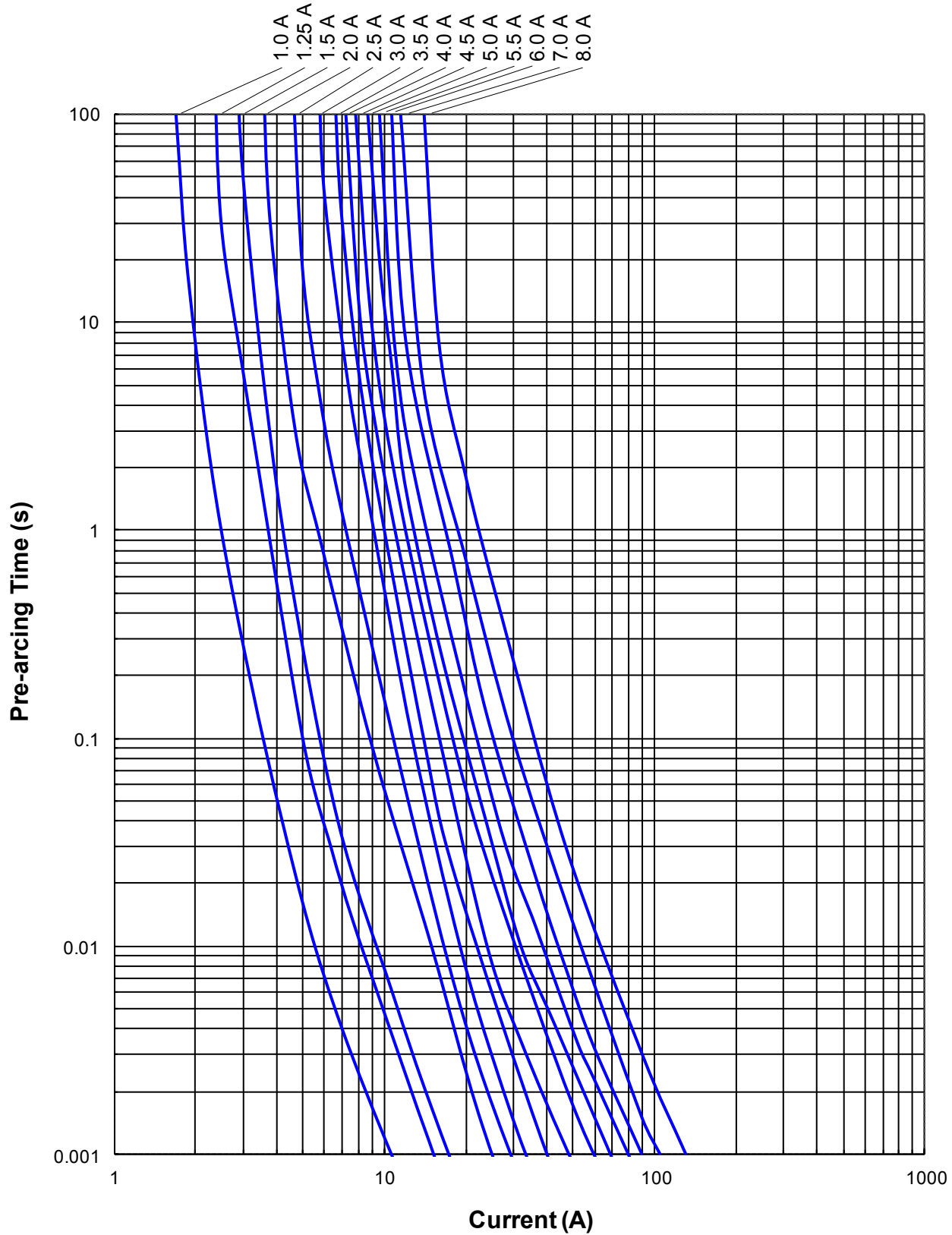
2. Melting I²t at 0.001 second pre-arcing time.

3. Red Marking Character Code.

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Average Pre-arcing Time Curves:



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Average I^2t vs. t Curves:

