

SolidMatrix® Surface Mount Fuses

HI Series (High Inrush), 1206 Size



Features:

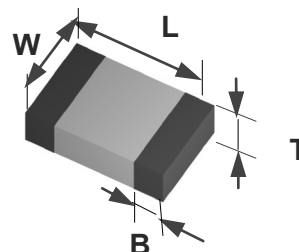
- High inrush current withstanding capability
- Ceramic Monolithic structure
- Silver fusing element and silver termination with nickel and tin plating
- Symmetrical design with marking on both sides (optional)
- Operating temperature range: -55°C to +125°C (with de-rating)

Clearing Time Characteristics:

% of Current Rating	Clearing time at 25°C	
100%	4 hours min.	
200%	1 second min.	60 seconds max.
1000%(1.0 A -5.0 A)	0.0002 seconds min.	0.02 seconds max.
1000%(6.0 A -8.0 A)	0.0002 seconds min.	0.04 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	0.038 ± 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", "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
F1206HI1000V063T	1.0	63	50 A at rated voltages	0.340	0.11	E
F1206HI1500V063T	1.5	63		0.150	0.33	G
F1206HI2000V063T	2.0	63		0.090	0.80	I
F1206HI2500V032T	2.5	32		0.065	1.19	J
F1206HI3000V032T	3.0	32		0.035	1.35	K
F1206HI3500V032T	3.5	32		0.029	1.84	L
F1206HI4000V032T	4.0	32		0.023	2.74	M
F1206HI4500V032T	4.5	32		0.021	3.20	T
F1206HI5000V032T	5.0	32	80 A at rated voltage	0.017	5.50	N
F1206HI6000V024T	6.0	24		0.013	12.5	O
F1206HI7000V024T	7.0	24		0.010	30.0	P
F1206HI8000V024T	8.0	24		0.009	60.0	R

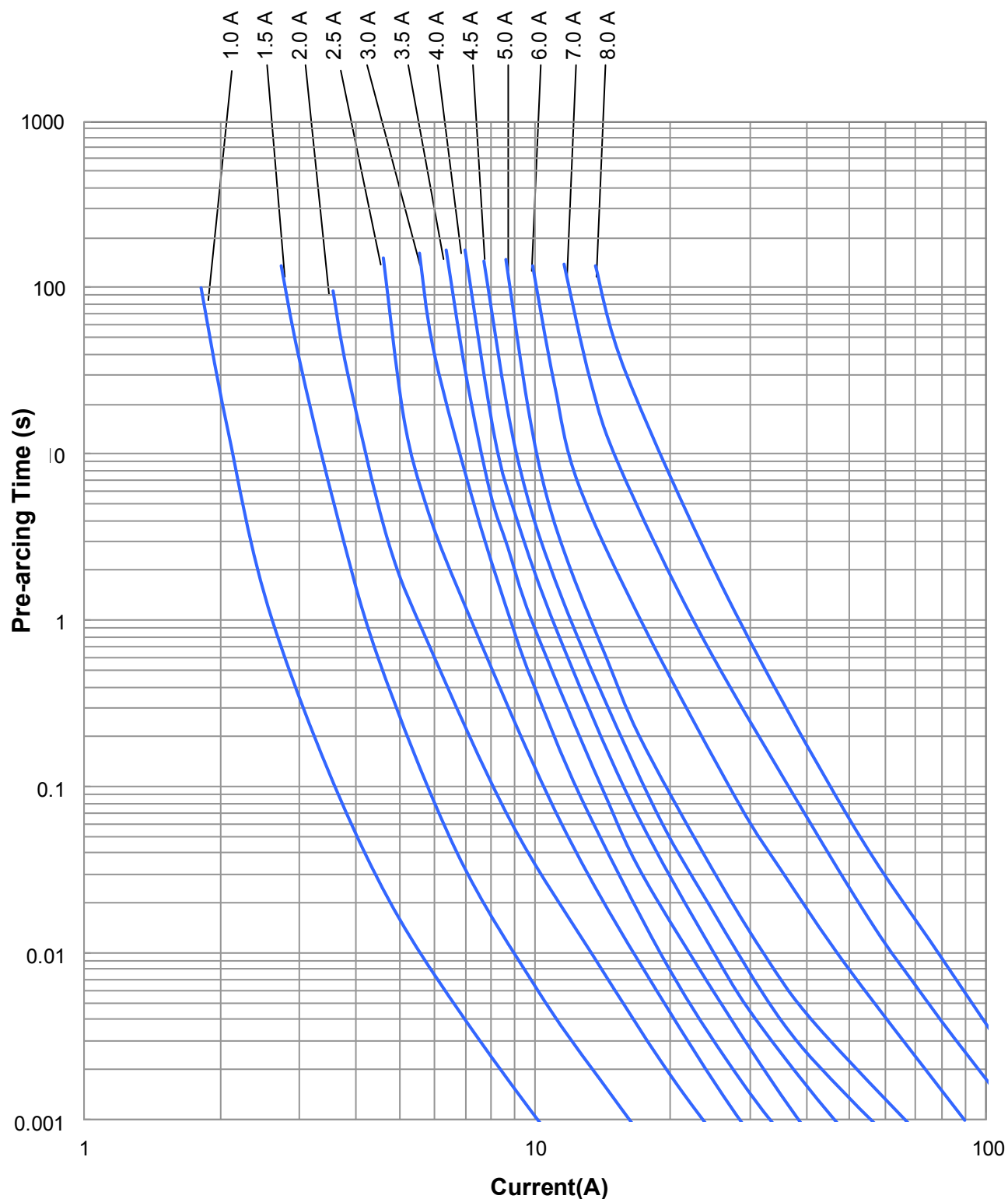
1. Measured at ≤ 10% rated current and 25°C ambient.

2. Melting I²t at 1000% of current rating.

3. Green Marking Character Code.

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Average Pre-arcing Time Curves:



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Average I^2t vs. t Curves:

