

## SolidMatrix® Surface Mount Fuses

### HI Series (High Inrush), 1206 Size



#### Features:

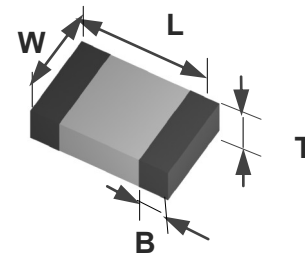
- High inrush current withstanding capability
- Ceramic Monolithic structure
- Silver fusing element and silver termination with nickel and tin plating
- Symmetrical design with marking on both sides (optional)
- Operating temperature range: -55°C to +125°C (with de-rating)

#### Clearing Time Characteristics:

% of Current Rating	Clearing time at 25°C	
	min.	max.
100%	4 hours	
200%	1 second	60 seconds
1000%(1.0 A -5.0 A)	0.0002 seconds	0.02 seconds
1000%(6.0 A -8.0 A)	0.0002 seconds	0.04 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", "ZL201020551360.8", "ZL201010299185.2", "ZL201220030614.0", "ZL201210020693.1".

#### Ordering Information:

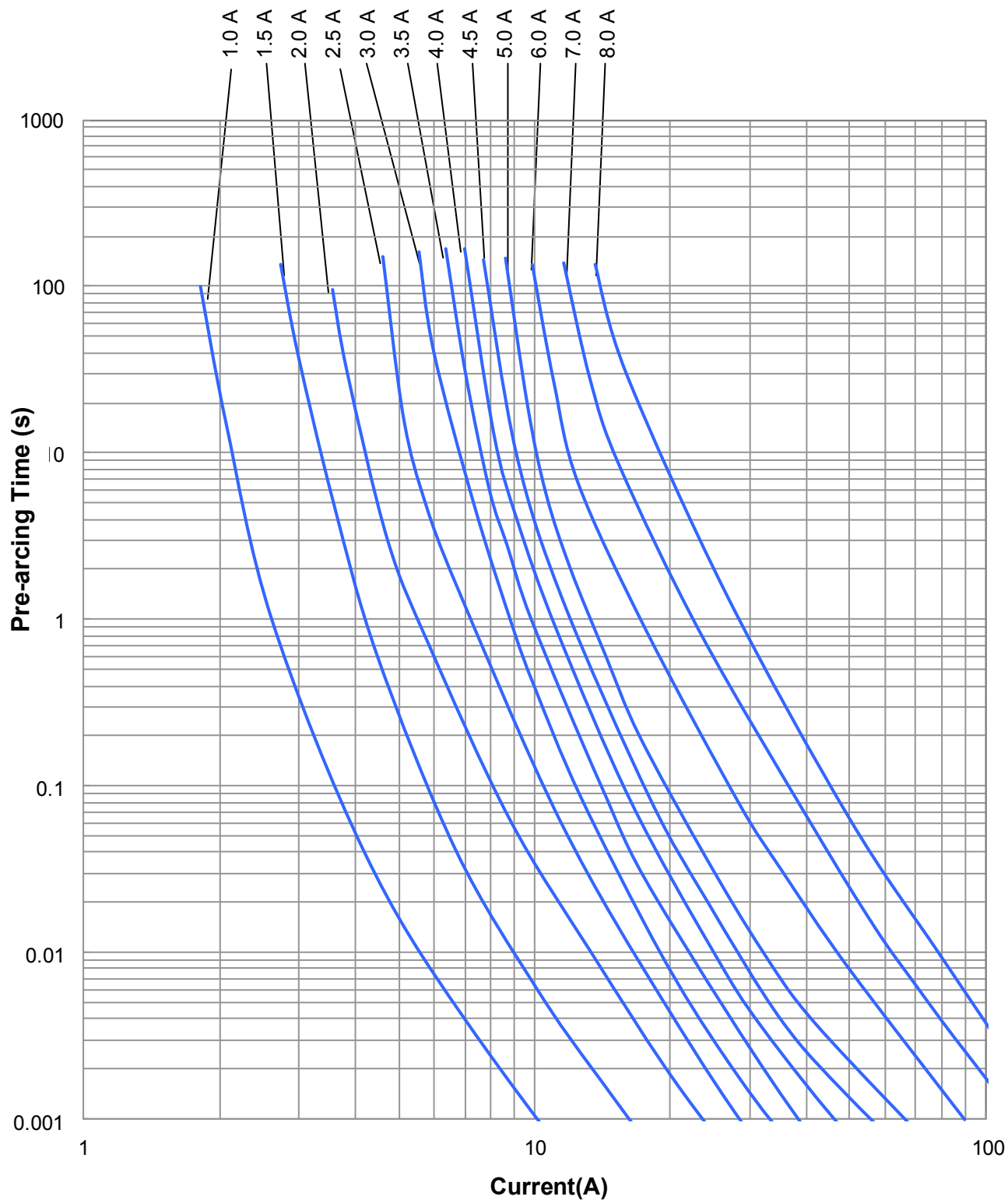
Part Number	Current Rating (A)	Voltage Rating (VDC)	Interrupting Ratings	Nominal Cold DCR(Ω) <sup>1</sup>	Nominal I <sup>2</sup> t (A <sup>2</sup> s) <sup>2</sup>	Marking (Optional) <sup>3</sup>
F1206HI1000V063T	1.0	63	50 A at rated voltages	0.340	0.11	E
F1206HI1500V063T	1.5	63		0.150	0.33	G
F1206HI2000V063T	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	0.017	5.50	N	
F1206HI6000V024T	6.0	24	80 A at rated voltage	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 I<sup>2</sup>t at 1000% of current rating. 3. Green Marking Character Code.

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

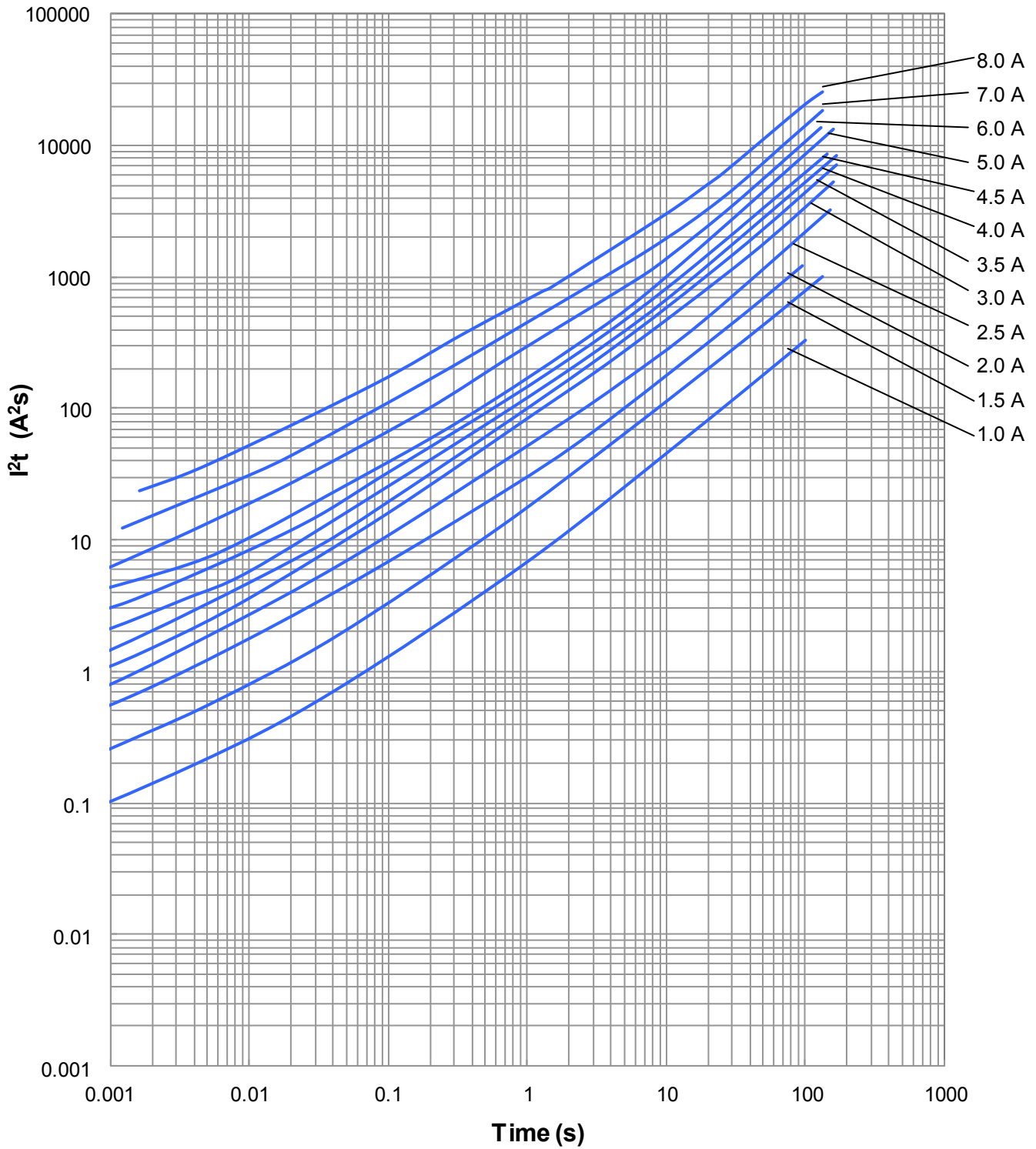
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### Average Pre-arcing Time Curves:



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## Average $I^2t$ vs. $t$ Curves:



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## AEM:

[F1206HI1000V063T](#) [F1206HI1500V063T](#) [F1206HI2000V063T](#) [F1206HI2500V032T](#) [F1206HI3000V032T](#)  
[F1206HI3500V032T](#) [F1206HI4000V032T](#) [F1206HI4500V032T](#) [F1206HI5000V032T](#) [F1206HI3000V032TM](#)  
[F1206HI6000V024T](#) [F1206HI1000V063TM](#) [F1206HI1500V063TM](#) [F1206HI2000V063TM](#) [F1206HI2500V032TM](#)  
[F1206HI3500V032TM](#) [F1206HI4000V032TM](#) [F1206HI5000V032TM](#) [F1206HI6000V024TM](#) [F1206HI4500V032TM](#)  
[F1206HI7000V024TM](#) [F1206HI8000V024TM](#) [F1206HI7000V024T](#) [F1206HI8000V024T](#)