

# Surface Mount Fuses

## Slow-Blow Chip Fuses

### Table FS1 – Clear Time Characteristics

#### 0603SFS Series

% of Rated Current	Clear Time at 25°C	
100%	4 hrs (min)	—
200%	1 s (min)	120 s (max)
300%	0.1 s (min)	3 s (max)
800% (1.0A-1.5A)	0.0005 s (min)	0.05 s (max)
800% (2.0A-5.0A)	0.001 s (min)	0.05 s (max)

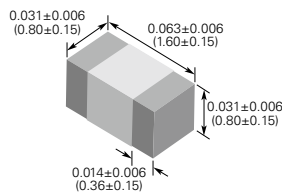
#### 1206SFS Series

% of Rated Current	Clear Time at 25°C	
100%	4 hrs (min)	—
200%	1 s (min)	120 s (max)
300%	0.1 s (min)	3 s (max)
800% (1.0A-1.5A)	0.0016 s (min)	0.05 s (max)
800% (2.0A-8.0A)	0.002 s (min)	0.05 s (max)

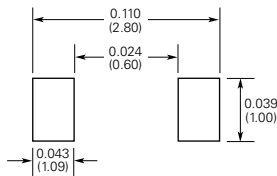
### Table FS2 – Typical Electrical Characteristics, Dimensions and Recommended Pad Layout

#### 0603 (1608 mm) Slow-Blow Chip Fuses

Shape and Dimensions in (mm)

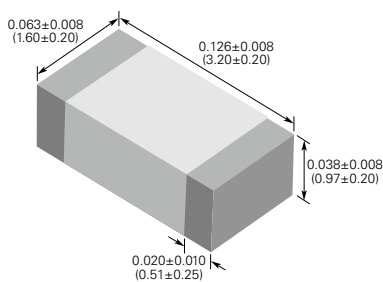


Recommended Pad Layout in (mm)

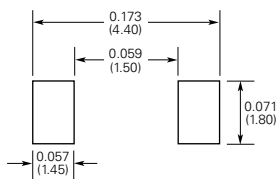


#### 1206 (3216 mm) Slow-Blow Chip Fuses

Shape and Dimensions in (mm)



Recommended Pad Layout in (mm)



Part Number	Typical			Max	
	Electrical Characteristics			Interrupt Ratings	
	Rated Current (A)	Nominal Cold DCR (Ω)*	Nominal I <sup>2</sup> t (A <sup>2</sup> sec) <sup>†</sup>	Voltage (V <sub>DC</sub> )	Current (A)
0603SFS100F/32	1.0	0.200	0.093	32	50
0603SFS150F/32	1.5	0.100	0.18	32	50
0603SFS200F/32	2.0	0.052	0.32	32	50
0603SFS250F/32	2.5	0.041	0.63	32	50
0603SFS300F/32	3.0	0.031	0.87	32	50
0603SFS350F/32	3.5	0.021	1.20	32	50
0603SFS400F/32	4.0	0.017	2.30	32	50
0603SFS450F/32	4.5	0.015	2.70	32	50
0603SFS500F/32	5.0	0.013	3.20	32	50
PSR-27781	6.0	0.010	4.00	32	80
PSR-27893	7.0	0.008	5.00	32	80
PSR-28024	8.0	0.006	7.00	32	80

Part Number	Typical			Max	
	Electrical Characteristics			Interrupt Ratings	
	Rated Current (A)	Nominal Cold DCR (Ω)*	Nominal I <sup>2</sup> t (A <sup>2</sup> sec) <sup>†</sup>	Voltage (V <sub>DC</sub> )	Current (A)
1206SFS100F/63	1.0	0.360	0.11	63	50
1206SFS125F/63	1.25	0.200	0.22	63	50
1206SFS150F/63	1.5	0.150	0.23	63	50
1206SFS200F/63	2.0	0.088	0.63	63	50
1206SFS250F/32	2.5	0.065	0.90	32	50
1206SFS300F/32	3.0	0.034	1.20	32	50
1206SFS350F/32	3.5	0.028	1.60	32	50
1206SFS400F/32	4.0	0.024	2.20	32	50
1206SFS450F/32	4.5	0.020	3.60	32	50
1206SFS500F/32	5.0	0.016	5.30	32	50
1206SFS550F/24	5.5	0.014	6.40	24	50
1206SFS600F/24	6.0	0.011	8.50	24	60
1206SFS700F/24	7.0	0.010	10.00	24	60
1206SFS800F/24	8.0	0.009	16.90	24	60

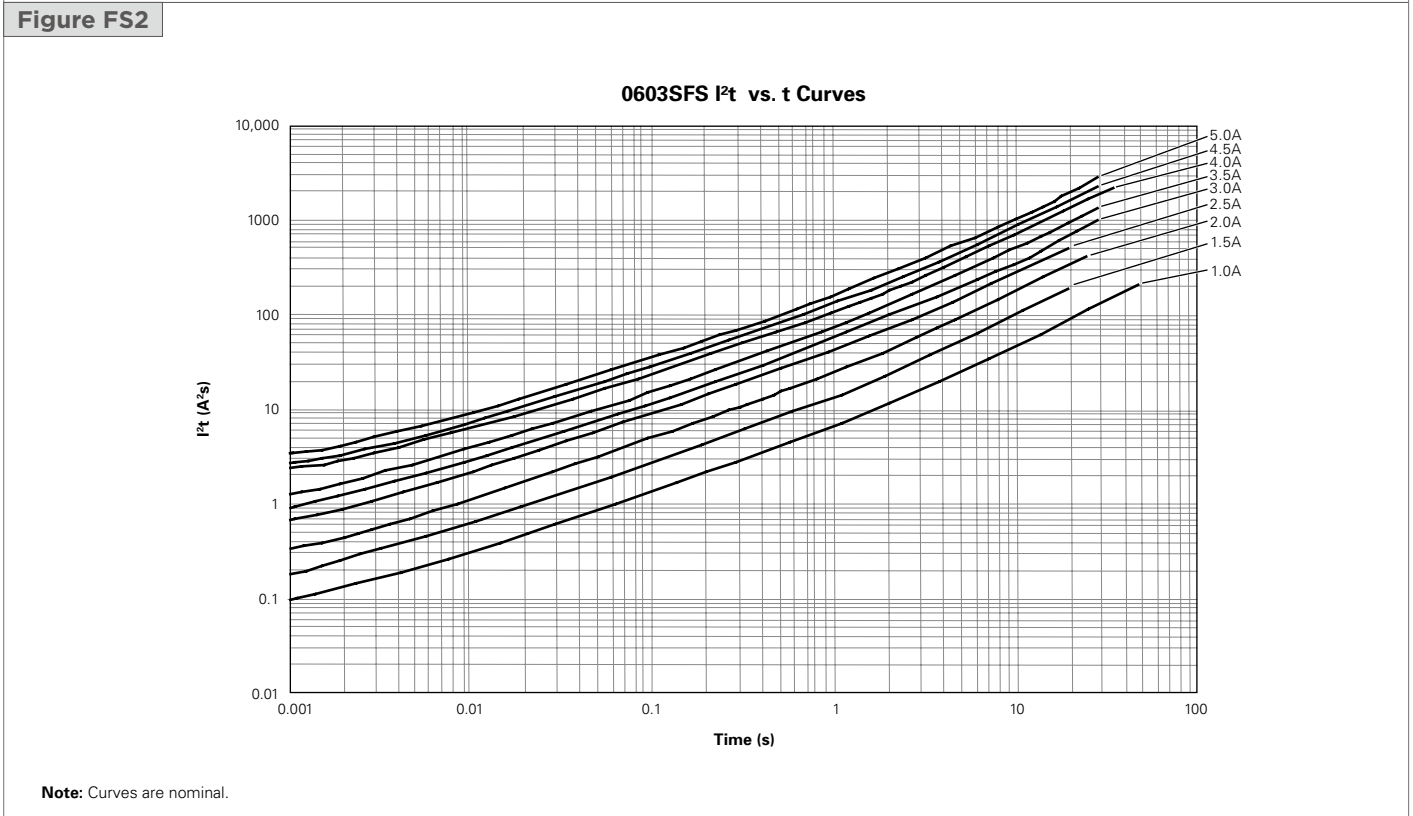
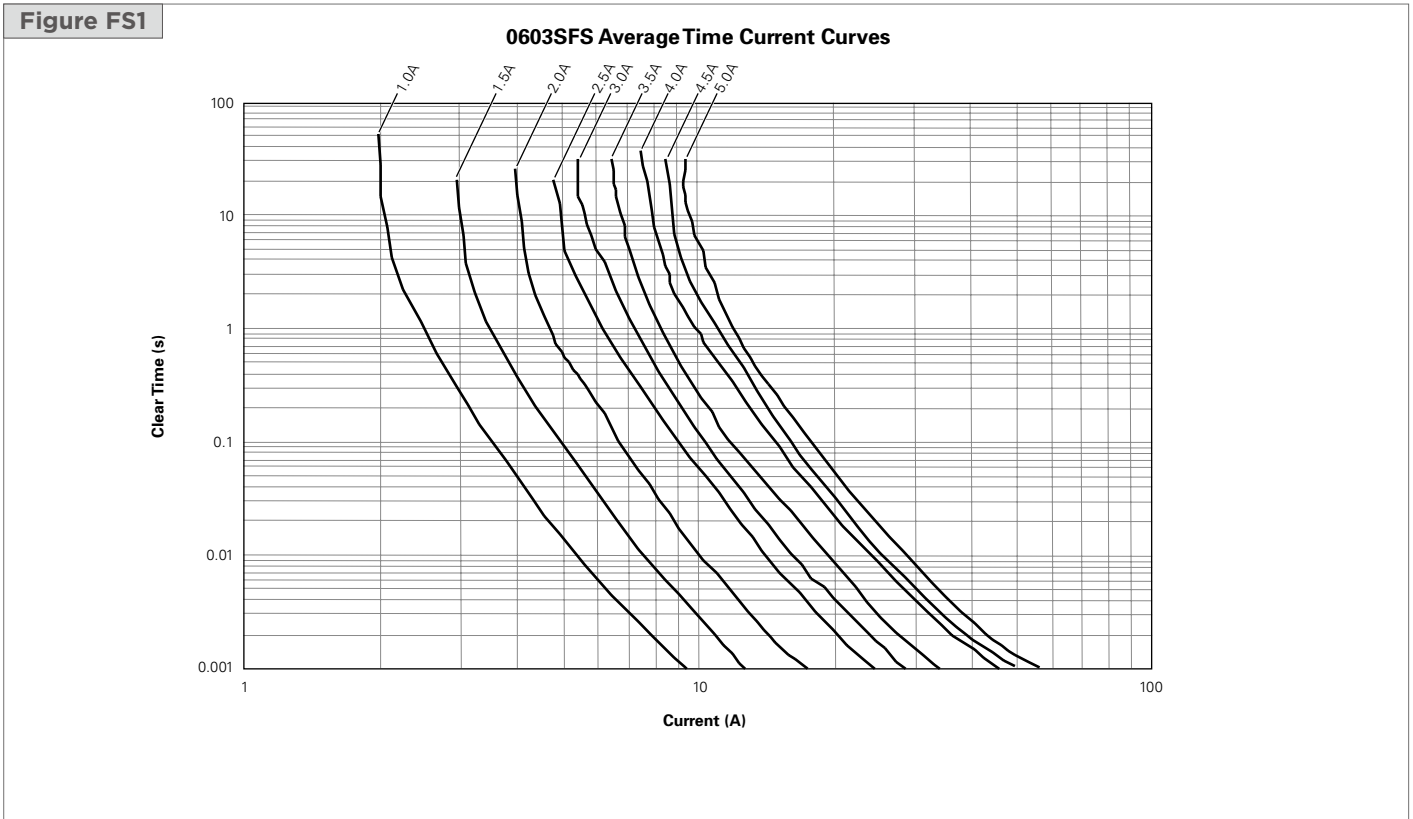
\* Measured at ≤10% of rated current and 25°C ambient temperature.

† Melting I<sup>2</sup>t at 0.001 sec clear time.

# Surface Mount Fuses

## Slow-Blow Chip Fuses

### Figures FS1-FS6 – Family Performance Curves



# Surface Mount Fuses Slow-Blow Chip Fuses

## Figures FS1-FS6 – Family Performance Curves

(Cont'd)

Figure FS3

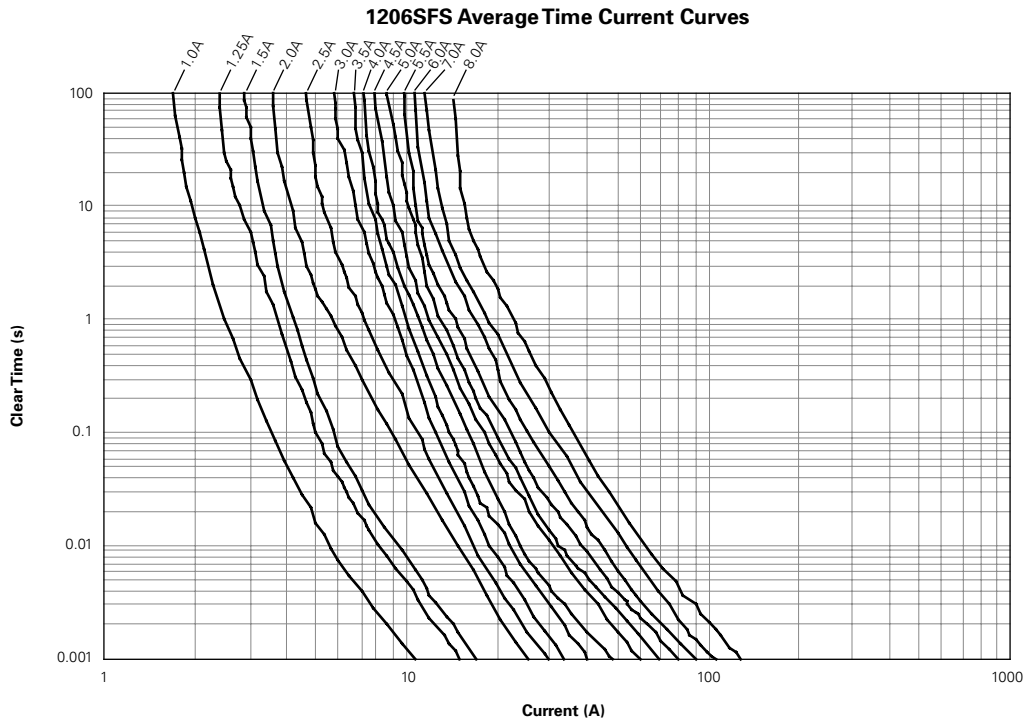
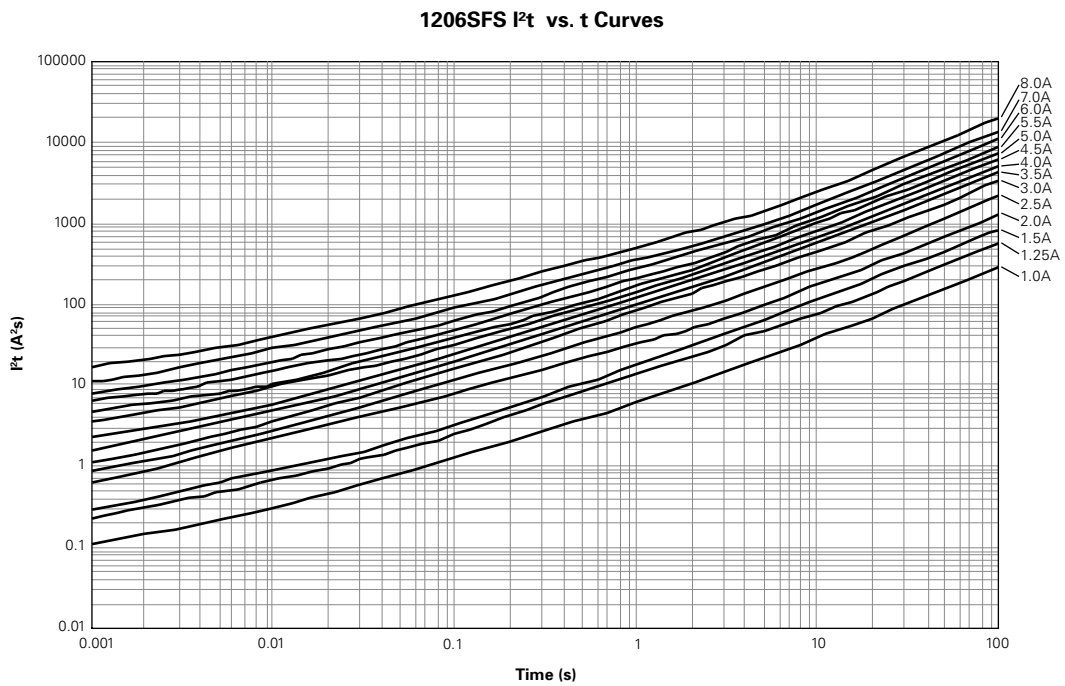


Figure FS4



Note: Curves are nominal.

→ Please go to page 108 for more information about Slow-Blow Chip Fuses.

# Surface Mount Fuses Slow-Blow Chip Fuses

## Figures FS1-FS6 — Family Performance Curves

(Cont'd)

Figure FS5

0603SFS PSR part Average Time Current Curves

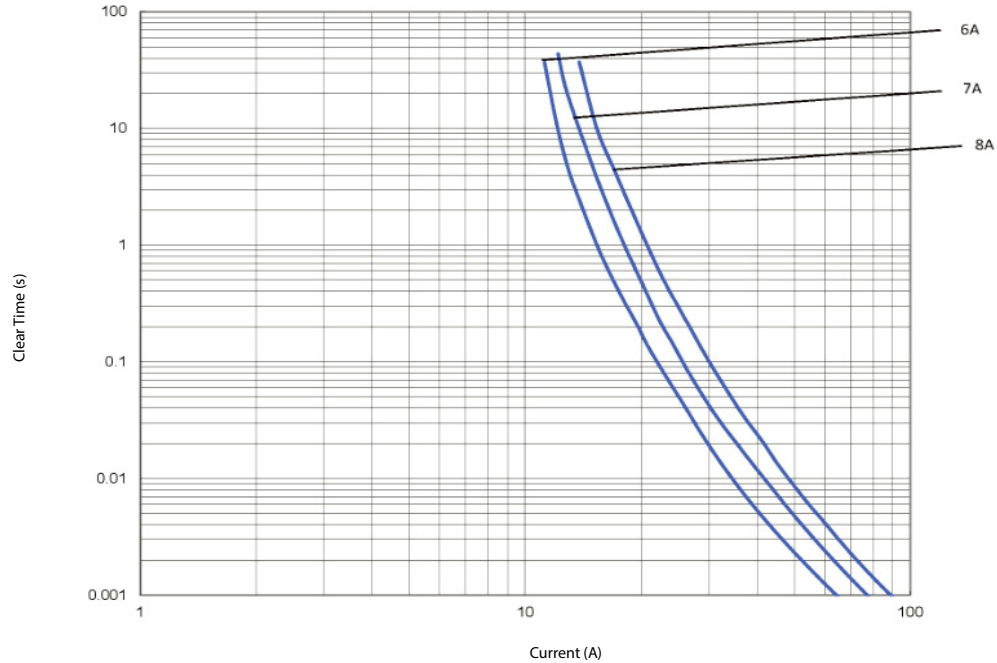
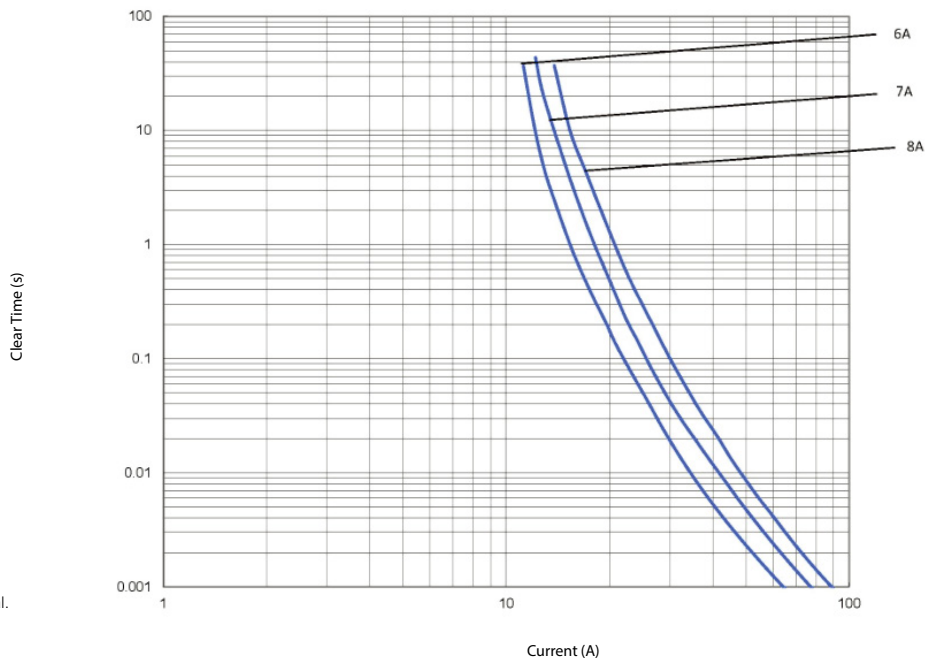


Figure FS6

0603SFS PSR part  $I^2t$  vs. t Curve



Note: Curves are nominal.

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[0603SFS150FM/32-2](#) [0603SFS200FM/32-2](#) [0603SFV150FM/32-2](#) [1206SFH100FM/24-2](#) [1206SFH120FM/24-2](#)  
[1206SFH200FM/24-2](#) [1206SFP200FM/63-2](#) [1206SFP300FM/32-2](#) [1206SFP500FM/32-2](#) [1206SFS100FM/63-2](#)  
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