imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

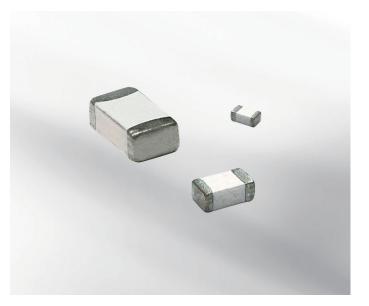


SURFACE-MOUNT FUSES Fast-Acting Chip Fuses



Fast-acting chip fuses help provide overcurrent protection for systems using DC power sources up to $63V_{DC}$. The fuse's monolithic, multilayer design helps provide the highest hold current in the smallest footprint, reduce diffusion-related aging, improve product reliability and resilience, and enhance high-temperature performance in a wide range of circuit designs.

These RoHS-compliant surface-mount devices offer strong arc suppression characteristics and help facilitate the development of more reliable, high-performance consumer electronics such as laptops, multimedia devices, cell phones and other portable electronics.



BENEFITS

- Small size with high current ratings
- Temperature stability
- High reliability and resilience
- Strong arc suppression characteristics

FEATURES

- Lead-free and RoHS compliant
- Halogen free (refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm)
- Monolithic, multilayer design
- High-temperature performance
- -55°C to +125°C operating temperature range

APPLICATIONS

- Laptops
- Digital cameras
- Cell phones
- Printers
- DVD players
- Portable electronics
- Game systems
- LCD monitors
- Scanners

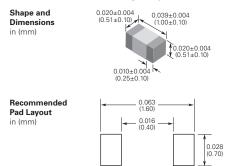
Surface Mount Fuses Fast-Acting Chip Fuses

Table FF1 — Clear Time Characteristics

% of Rated Current	Clear Time at 25°C		
100%	4 hrs (min)		
250%	5 s (max)		
400%	0.05 s (max)		

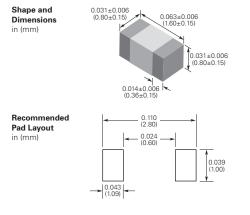
Table FF2 — Typical Electrical Characteristics, Dimensions and Recommended Pad Layout

0402 (1005mm) Fast-Acting Chip Fuses

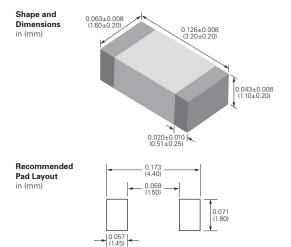


Max Interrupt Ratings **Typical Electrical Characteristics** Nominal Rated Nominal Current Cold DCR l²t Voltage Current Part Number (A) **(**Ω)* (A²sec)[†] (V_{DC}) (A) 0402SFF100F/24 1.00 0.120 0.0170 24 35 0402SFF150F/24 1.50 0.056 0.0490 24 35 2.00 24 0402SFF200F/24 0.035 0.0700 35 0402SFF300F/24 3.00 0.021 0.1250 24 35 0402SFF400F/24 0.014 4.00 0.2250 24 35

0603 (1608mm) Fast-Acting Chip Fuses



1206 (3216mm) Fast-Acting Chip Fuses



	Typical Electrical Characteristics			Max Interrupt Ratings	
Part Number	Rated Current (A)	Nominal Cold DCR (Ω)*	Nominal I²t (A²sec)†	Voltage (V _{DC})	Current (A)
0603SFF050F/32	0.50	0.485	0.0029	63	35
0603SFF075F/32	0.75	0.254	0.0064	63	35
0603SFF100F/32	1.00	0.147	0.0160	63	35
0603SFF150F/32	1.50	0.059	0.0300	63	35
0603SFF200F/32	2.00	0.044	0.0600	32	35
0603SFF250F/32	2.50	0.032	0.1150	32	35
0603SFF300F/32	3.00	0.025	0.1900	32	35
0603SFF350F/32	3.50	0.024	0.2950	32	35
0603SFF400F/32	4.00	0.018	0.4000	32	35
0603SFF500F/32	5.00	0.013	0.7000	32	35
0603SFF600F/24	6.00	0.010	1.1250	24	35

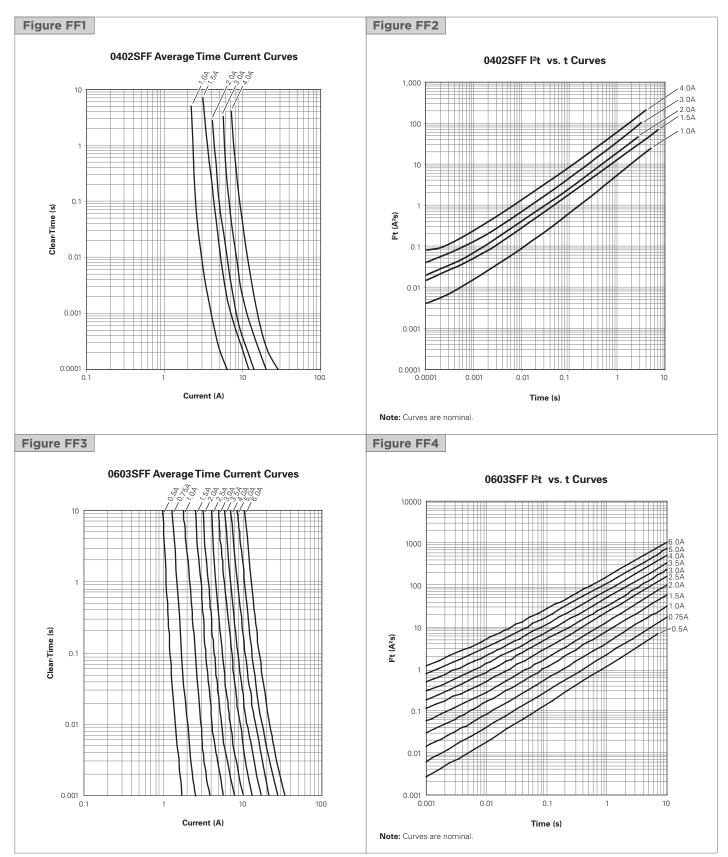
	Typical Electrical Characteristics			Max Interrupt Ratings	
Part Number	Rated Current (A)	Nominal Cold DCR (Ω)*	Nominal I²t (A²sec)†	Voltage (V _{DC})	Current (A)
1206SFF050F/63	0.50	0.730	0.0021	63	50
1206SFF075F/63	0.75	0.513	0.0052	63	50
1206SFF100F/63	1.00	0.220	0.0120	63	50
1206SFF150F/63	1.50	0.120	0.0250	63	50
1206SFF175F/63	1.75	0.100	0.0450	63	50
1206SFF200F/63	2.00	0.050	0.0700	63	50
1206SFF250F/32	2.50	0.035	0.1400	32	50
1206SFF300F/32	3.00	0.031	0.2200	32	50
1206SFF400F/32	4.00	0.022	0.3800	32	45
1206SFF500F/32	5.00	0.015	0.6000	32	45
1206SFF600F/32	6.00	0.013	1.0000	32	50
1206SFF700F/32	7.00	0.011	1.7500	32	50
1206SFF800F/32	8.00	0.008	2.5000	32	50
1206SFF600F/24	6.00	0.013	1.0000	24	45
1206SFF700F/24	7.00	0.011	1.7500	24	45
1206SFF800F/24	8.00	0.008	2.5000	24	45

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

† Melting I²t at 0.001 sec clear time.

Surface Mount Fuses Fast-Acting Chip Fuses

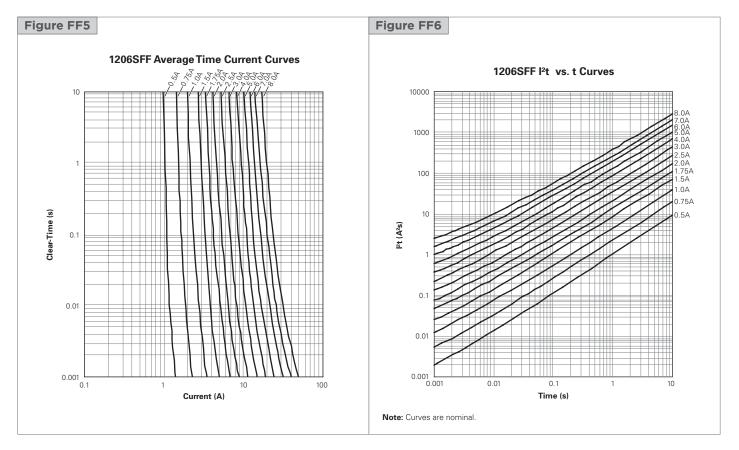
Figures FF1-FF6 — Family Performance Curves



Surface Mount Fuses Fast-Acting Chip Fuses

Figures FF1-FF6 — Family Performance Curves

(Cont'd)



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