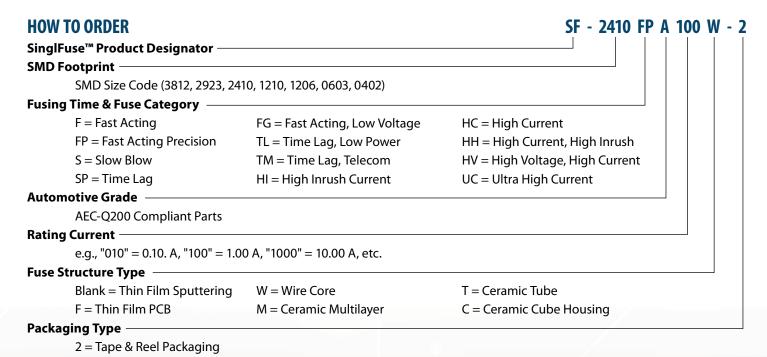


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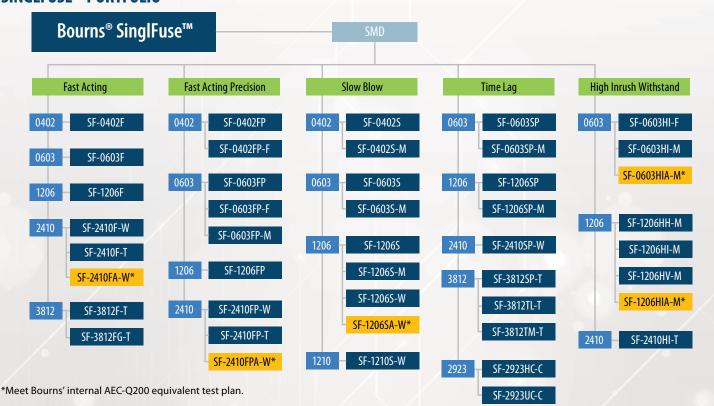
Bourns® SinglFuse™ Introduction

INTRODUCTION

Bourns' SinglFuse™ family of SMD fuses provides effective overcurrent protection in standard surface mountable footprint sizes ranging from 0402 (1005 metric) to 3812 (10030 metric), and includes a variety of fusing speeds, current and voltage ratings, and rated operating temperatures. The breadth of Bourns' comprehensive line of SMD fuses provides suitable overcurrent protection solutions for applications including but not limited to automotive*, battery management systems, power supplies, DC/DC converters, consumer electronics, telecom systems, industrial controllers and battery chargers.



SINGLFUSE™ PORTFOLIO



0402 / 0603 Footprint SinglFuse™ SMD Fuses

SF-0402F	Thin Film Spu	ıttering Technolo	ogy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	0402	Fast Acting	200 % I _r in 60 sec.	315 mA – 4 A	32 V _{DC}	−20 °C to +105 °C	UL
SF-0402FP	Thin Film Spu	ıttering Technolo	ogy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	0402	Fast Acting Precision	200 % I _r in 5 sec.	500 mA — 4 A	32 V _{DC}	−20 °C to +105 °C	UL
SF-0402FP-F	Thin Film PC	3 Technology					
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	0402	Fast Acting Precision	300 % I _r in 5 sec. 200 % I _r in 5 sec.	200 mA – 5 A	35 V _{DC}	−55 °C to +90 °C	UL
SF-0402S	Thin Film Spu	ıttering Technolo	ogy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	0402	Slow Blow	250 % I _r in 5 sec.	500 mA – 4 A	32 V _{DC}	−20 °C to +105 °C	UL
SF-0402S-M	Ceramic Mult	ilayer Technolog	у				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	0402	Slow Blow	250 % I _r in 5 sec.	500 mA – 4 A	24 V _{DC}	−55 °C to +125 °C	UL
SF-0603F	Thin Film Spu	ıttering Technolo	ogy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	0603	Fast Acting	200 % I _r in 60 sec.	400 mA – 5 A	32 – 50 V _{DC}	−20 °C to +105 °C	UL
SF-0603FP	Thin Film Spu	ıttering Technolo	ogy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	0603	Fast Acting Precision	200 % I _r in 5 sec.	500 mA – 5 A	32 – 50 V _{DC}	−20 °C to +105 °C	UL
SF-0603FP-M	Ceramic Mult	ilayer Technolog	у				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	0603	Fast Acting Precision	200 % I _r in 5 sec.	500 mA – 5 A	32 V _{DC}	−55 °C to +125 °C	UL
SF-0603FP-F	Thin Film PC	3 Technology					
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	0603	Fast Acting Precision	200 % I _r in 5 sec.	150 mA – 5 A	35 – 65 V _{DC}	−55 °C to +90 °C	UL

0603 / 1206 Footprint SinglFuse™ SMD Fuses

SF-0603S	Thin Film Spu	ıttering Technol	logy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	0603	Slow Blow	250 % I _r in 5 sec.	400 mA – 6 A	32 – 50 V _{DC}	−20 °C to +105 °C	UL
SF-0603S-M	Ceramic Mult	tilayer Technolo	gy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	0603	Slow Blow	250 % I _r in 5 sec.	500 mA – 6 A	24 – 63 V _{DC}	−55 °C to +125 °C	UL
SF-0603SP	Thin Film Spu	uttering Technol	logy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	0603	Time Lag	200 % I _r in 1 — 120 sec.	500 mA – 6 A	32 – 50 V _{DC}	−20 °C to +105 °C	UL
SF-0603SP-M	Ceramic Mult	tilayer Technolo	gy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
6	0603	Time Lag	200 % I _r in 1 — 120 sec.	1 A – 8 A	32 V _{DC}	−55 °C to +125 °C	UL
SF-0603HI-M	Ceramic Mult	tilayer Technolo	gy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	0603	High Inrush	200 % I _r in 60 sec.	1 A – 8 A	32 V _{DC}	−55 °C to +125 °C	UL
SF-0603HIA-M	Ceramic Mult	tilayer Technolo	gy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
6	0603	High Inrush	200 % I _r in 1 – 60 sec.	1 A – 5 A	32 V _{DC}	−55 °C to +125 °C	UL AEC-Q200
SF-0603HI-F	Thin Film PCE	3 Technology					
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	0603	High Inrush	200 % I _r in 60 sec.	500 mA – 4 A	35 – 65 V _{DC}	–55 °C to +90 °C	UL
SF-1206F	Thin Film Spu	uttering Technol	logy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	1206	Fast Acting	200 % I _r in 60 sec.	500 mA – 7 A	32 – 63 V _{DC}	−20 °C to +105 °C	UL
SF-1206FP	Thin Film Spu	uttering Technol	logy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	1206	Fast Acting Precision	200 % I _r in 5 sec.	500 mA – 7 A	32 – 63 V _{DC}	−20 °C to +105 °C	UL

1206 Footprint SinglFuse™ SMD Fuses

SF-1206S	Thin Film Sputtering Technology						
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	1206	Slow Blow	250 % I _r in 5 sec.	500 mA – 7 A	32 – 63 V _{DC}	−20 °C to +105 °C	UL
SF-1206S-M	Ceramic Mult	ilayer Technolo	gy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	1206	Slow Blow	250 % I _r in 5 sec.	500 mA – 8 A	32 – 63 V _{DC}	−55 °C to +125 °C	UL
SF-1206S-W	Wire Core Tec	hnology					
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	1206	Slow Blow	250 % Ir in 5 sec.	1.5 A — 15 A	32 – 65 V _{DC}	−55 °C to +125 °C	UL TUV
SF-1206SA-W	Wire Core Tec	:hnology					
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
6	1206	Slow Blow	250 % I _r in 5 sec.	1.5 A — 15 A	32 – 110 V _{DC}	−55 °C to +125 °C	UL AEC-Q200
SF-1206SP	Thin Film Spu	ittering Technol	ogy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	1206	Time Lag	200 % Ir in 1 — 120 sec.	500 mA – 7 A	32 – 63 V _{DC}	−20 °C to +105 °C	UL
SF-1206SP-M	Ceramic Mult	ilayer Technolo	gy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
6	1206	Time Lag	200 % I _r in 1 — 120 sec.	1 A – 8 A	24 – 63 V _{DC}	−55 °C to +125 °C	UL
SF-1206HI-M	Ceramic Mult	ilayer Technolo	ду				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	1206	High Inrush	350 % I _r in 5 sec. 200 % I _r in 60 sec.	500 mA – 8 A	24 – 63 V _{DC}	−55 °C to +125 °C	UL
SF-1206HIA-M	Ceramic Mult	ilayer Technolo	ду				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	1206	High Inrush	350 % I _r in 5 sec. 200 % I _r in 1 — 60 sec.	500 mA – 6 A	24 – 65 V _{DC}	−55 °C to +150 °C	UL AEC-Q200
SF-1206HH-M	Ceramic Mult	ilayer Technolo	gy				
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
1	1206	High Current High Inrush	350 % I _r in 5 sec.	10 A – 30 A	24 V _{DC}	−55 °C to +125 °C	UL

1206 / 1210 / 2410 Footprint SinglFuse™ SMD Fuses

SF-1206HV-M	Ceramic Multilayer Technology						
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
6	1206	High Current High Voltage	350 % I _r in 5 sec.	10 A – 40 A	35 VDC	−55 °C to +125 °C	UL
SF-1210S-W	Wire Core Te	chnology					
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
1	1210	Slow Blow	250 % I _r in 5 sec.	1 A - 3 A	125 V _{AC}	−55 °C to +125 °C	UL
SF-2410F-W	Wire Core Te	chnology					
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
41	2410	Fast Acting	200 % I _r in 20 sec.	12A — 20 A	65 V _{AC} /V _{DC}	−55 °C to +125 °C	UL
SF-2410FA-W	Wire Core Te	chnology					
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
1	2410	Fast Acting	200 % I _r in 20 sec.	12A – 20 A	65 V _{DC}	−55 °C to +125 °C	UL AEC-Q200
SF-2410F-T	Ceramic Tub	e Technology					
- TO	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	2410	Fast Acting	200 % I _r in 60 sec.	12A – 25 A	65 – 86 V _{AC} /V _{DC}	−55 °C to +125 °C	UL
SF-2410FP-W	Wire Core Te	chnology					
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
5	2410	Fast Acting Precision	200 % I _r in 5 sec.	500 mA — 10 A	250 V _{AC} 125 V _{DC}	−55 °C to +125 °C	UL TUV
SF-2410FPA-W	Wire Core Te	chnology					
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	2410	Fast Acting Precision	200 % I _r in 5 sec.	1 A — 10 A	125 – 250 V _{DC}	−55 °C to +125 °C	UL AEC-Q200
SF-2410FP-T	Ceramic Tub	e Technology					
*	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
3.7	2410	Fast Acting Precision	200 % I _r in 5 sec.	62 mA – 10 A	125 V _{AC}	−55 °C to +125 °C	UL
SF-2410SP-W	Wire Core Te	chnology					
	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
TO	2410	Time Lag	200 % I _r in 1 — 120 sec.	500 mA – 2 A	250 V _{AC}	−55 °C to +125 °C	UL VDE

2410 / 2923 / 3812 Footprint SinglFuse™ SMD Fuses

-2410HI-T	Ceramic Tub	e Technology					
45	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	2410	High Inrush	200 % I _r in 60 sec.	375 mA – 7 A	125 V AC	−55 °C to +125 °C	UL
2923HC-C	Ceramic Cub	e Housing Techn	ology				
50 S	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
	2923	High Current	250 % I _r in 60 sec.	20 A – 50 A	60 V _{DC}	−55 °C to +125 °C	UL
923UC-C	Ceramic Cub	e Housing Techn	ology				
(3 <mark>10</mark>	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certification
	2923	Ultra-High Current	250 % I _r in 60 sec.	20 A – 100 A	80 V _{DC}	−55 °C to +125 °C	UL
3812F-T	Ceramic Tub	e Technology					
3	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certification
S L SOAN	3812	Fast Acting	200 % I _r in 60 sec.	10 A — 60 A	250 V _{AC}	−55 °C to +125 °C	UL
8812FG-T	Ceramic Tub	e Technology			_		
		· iccilliology					
143	Footprint	Fuse Type	Fusing Time	Rated Current	Rated Voltage	Rated Temperature	Certifications
HSOA!			Fusing Time 200 % Ir in 60 sec.	Rated Current 20 A - 30 A	Rated Voltage	Rated Temperature -55 °C to +125 °C	Certification: UL
	Footprint 3812	Fuse Type Fast Acting				·	
8812SP-T	Footprint 3812	Fuse Type Fast Acting Low Voltage				·	UL
8812SP-T	Footprint 3812 Ceramic Tube	Fuse Type Fast Acting Low Voltage	200 % Ir in 60 sec.	20 A – 30 A	125 VAC	−55 °C to +125 °C	UL
8812SP-T	Footprint 3812 Ceramic Tube Footprint 3812	Fuse Type Fast Acting Low Voltage e Technology Fuse Type	200 % Ir in 60 sec. Fusing Time	20 A — 30 A Rated Current	125 VAC Rated Voltage	−55 °C to +125 °C Rated Temperature	UL Certifications UL
3812SP-T	Footprint 3812 Ceramic Tube Footprint 3812	Fuse Type Fast Acting Low Voltage e Technology Fuse Type Time Lag	200 % Ir in 60 sec. Fusing Time	20 A — 30 A Rated Current	125 VAC Rated Voltage	−55 °C to +125 °C Rated Temperature	Certifications UL TUV
8812SP-T	Footprint 3812 Ceramic Tube Footprint 3812 Ceramic Tube	Fuse Type Fast Acting Low Voltage e Technology Fuse Type Time Lag	200 % Ir in 60 sec. Fusing Time 200 % I _r in 120 sec.	20 A – 30 A Rated Current 1.25 A	125 VAC Rated Voltage 250 V _{AC}	-55 °C to +125 °C Rated Temperature -55 °C to +125 °C	Certifications UL TUV
3812SP-T	Footprint 3812 Ceramic Tube Footprint 3812 Ceramic Tube Footprint 3812	Fuse Type Fast Acting Low Voltage e Technology Fuse Type Time Lag e Technology Fuse Type Time Lag	200 % Ir in 60 sec. Fusing Time 200 % I _r in 120 sec. Fusing Time	20 A — 30 A Rated Current 1.25 A Rated Current	125 VAC Rated Voltage 250 V _{AC} Rated Voltage	-55 °C to +125 °C Rated Temperature -55 °C to +125 °C Rated Temperature	Certifications UL TUV Certifications
812SP-T	Footprint 3812 Ceramic Tube Footprint 3812 Ceramic Tube Footprint 3812	Fuse Type Fast Acting Low Voltage e Technology Fuse Type Time Lag e Technology Fuse Type Time Lag Low Power	200 % Ir in 60 sec. Fusing Time 200 % I _r in 120 sec. Fusing Time	20 A — 30 A Rated Current 1.25 A Rated Current	125 VAC Rated Voltage 250 V _{AC} Rated Voltage	-55 °C to +125 °C Rated Temperature -55 °C to +125 °C Rated Temperature	Certifications UL TUV Certifications





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