

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.

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Surface Mount Fuse, 3.2 x 1.6 mm, Super-Quick-Acting FF, 32 VAC, 63 VDC



Exemplary part photo depending on part no.

UL 248-14 · 125 VAC · 125 VDC · Super-Quick-Acting FF



Description

- UL characteristic
- Low melting I²t-values, fast interruption
- Impermeable to potting compound

Standards

- UL 248-14
- CSA C22.2 no. 248.14

Approvals

- UL File Number: E41599

Applications

- Secondary Protection DC and AC
- Circuits without inrush
- Semiconductor protection

References

[Packaging Details](#)

Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Packaging details](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

Rated Voltage	32 - 125 VAC, 63 - 125 VDC
Rated current	0.375 - 4 A
Breaking Capacity	50 A
Characteristic	Super-Quick-Acting FF
Mounting	PCB,SMT
Admissible Ambient Air Temp.	-55 °C to 90 °C
Climatic Category	55/090/21 acc. to IEC 60068-1
Material: Housing	Epoxyd Glass, UL 94V-0
Material: Terminals	Copper, Ni/Au-plated
Unit Weight	0.006 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	Letter (see variants)

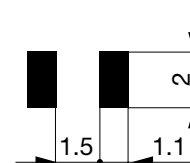
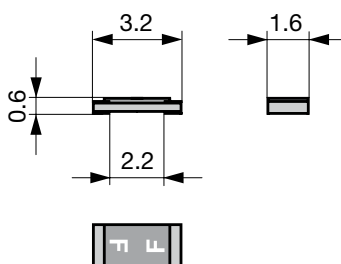
Soldering Methods	Reflow Soldering Profile
Solderability	245 °C / 3 sec acc. to IEC 60068-2-58, Test Td
Resistance to Soldering Heat	260 +0/-5 °C / 30 sec acc. to IPC/JEDEC J-STD-020D, Level 1
Moisture Resistance Test	MIL-STD-202, Method 106E (50 cycles in a temp./mister chamber)
Terminal Strength	MIL-STD-202, Method 211A (Deflection of board 1 mm for 1 minute)
Case Resistance	acc. to EIA/IS-722, Test 4.7 >100 MΩ (between leads and body)
Resistance to Solvents	MIL-STD-202, Method 215A
Flammability	min. UL 94V-1 (acc. to EIA/IS-722, Test 4.12)

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

Dimension

3.2 mm

Reflow soldering pads

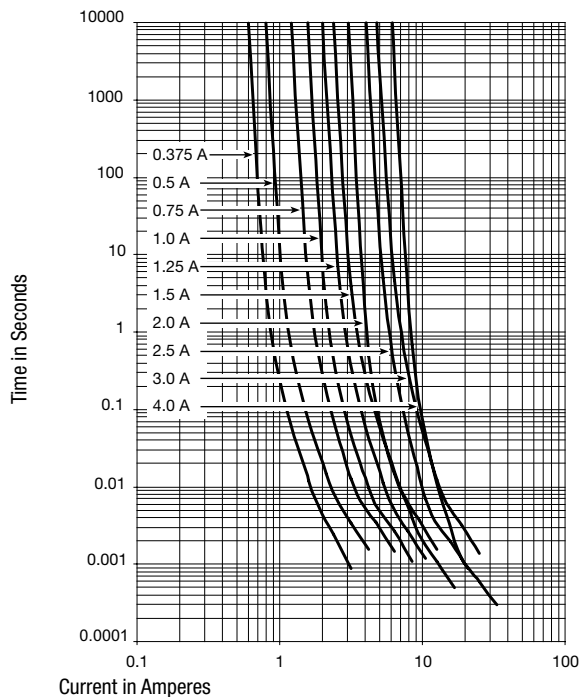


Pre-Arcing Time


Rated Current In 1.0 x In min. 2.0 x In max.


0.375 A - 4 A	4 h	60 s
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Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Marking	Breaking Capacity	Voltage Drop 1.0 In typ. [mV]	Cold Resistance typ. [mΩ]	Melting I ² t 8.0 In typ. [A ² s]		Order Number
0.375	125	125	E	1)	125	315	0.01	●	3413.0112.11
0.375	125	125	E	1)	125	315	0.01	●	3413.0112.22
0.375	125	125	E	1)	125	315	0.01	●	3413.0112.24
0.375	125	125	E	1)	125	315	0.01	●	3413.0112.26
0.5	125	125	F	1)	100	190	0.02	●	3413.0113.11
0.5	125	125	F	1)	100	190	0.02	●	3413.0113.22
0.5	125	125	F	1)	100	190	0.02	●	3413.0113.24
0.5	125	125	F	1)	100	190	0.02	●	3413.0113.26
0.75	32	63	G	2)	100	120	0.05	●	3413.0114.11
0.75	32	63	G	2)	100	120	0.05	●	3413.0114.22
0.75	32	63	G	2)	100	120	0.05	●	3413.0114.24
0.75	32	63	G	2)	100	120	0.05	●	3413.0114.26
1	32	63	H	2)	100	85	0.07	●	3413.0115.11
1	32	63	H	2)	100	85	0.07	●	3413.0115.22
1	32	63	H	2)	100	85	0.07	●	3413.0115.24
1	32	63	H	2)	100	85	0.07	●	3413.0115.26
1.25	32	63	J	2)	80	50	0.12	●	3413.0116.11
1.25	32	63	J	2)	80	50	0.12	●	3413.0116.22
1.25	32	63	J	2)	80	50	0.12	●	3413.0116.24
1.25	32	63	J	2)	80	50	0.12	●	3413.0116.26
1.5	32	63	K	2)	80	45	0.24	●	3413.0117.11
1.5	32	63	K	2)	80	45	0.24	●	3413.0117.22
1.5	32	63	K	2)	80	45	0.24	●	3413.0117.24

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Marking	Breaking Capacity	Voltage Drop 1.0 In typ. [mV]	Cold Resistance typ. [mΩ]	Melting I ² t 8.0 In typ. [A ² s]		Order Number
1.5	32	63	K	2)	80	45	0.24	●	3413.0117.26
2	32	63	N	2)	70	30	0.13	●	3413.0119.11
2	32	63	N	2)	70	30	0.13	●	3413.0119.22
2	32	63	N	2)	70	30	0.13	●	3413.0119.24
2	32	63	N	2)	70	30	0.13	●	3413.0119.26
2.5	32	63	O	2)	70	25	0.35	●	3413.0120.11
2.5	32	63	O	2)	70	25	0.35	●	3413.0120.22
2.5	32	63	O	2)	70	25	0.35	●	3413.0120.24
2.5	32	63	O	2)	70	25	0.35	●	3413.0120.26
3	32	63	P	2)	70	20	0.8	●	3413.0121.11
3	32	63	P	2)	70	20	0.8	●	3413.0121.22
3	32	63	P	2)	70	20	0.8	●	3413.0121.24
3	32	63	P	2)	70	20	0.8	●	3413.0121.26
4	32	63	S	2)	60	13	0.3	●	3413.0123.11
4	32	63	S	2)	60	13	0.3	●	3413.0123.22
4	32	63	S	2)	60	13	0.3	●	3413.0123.24
4	32	63	S	2)	60	13	0.3	●	3413.0123.26

 Most Popular.

Availability for all products can be searched real-time:<http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

1) UL: 50 A @ 125 VAC/DC

2) UL: 50 A @ 32 VAC / 50 A @ 63 VDC

1) + 2) Additional internal testing: 150 A @ 24 VAC/DC, 400 A @ 12 VDC, 600 A @ 9 VDC

Packaging Unit

- .xx = .11 Blister Tape of 100 pcs. in Plastic Bag
- .xx = .22 Blister Tape 18 cm Reel (1000 pcs.)
- .xx = .24 Blister Tape 25.4 cm Reel (5000 pcs.)
- .xx = .26 Blister Tape 33 cm Reel (15000 pcs.)