USF 1206

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

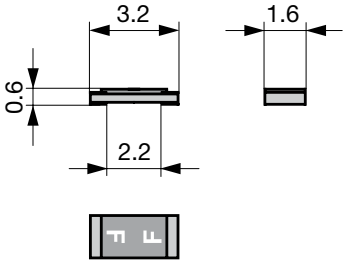
Technical Data

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)

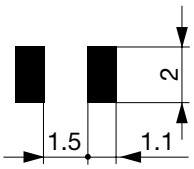
Soldering Methods	Reflow Soldering Profile
Solderability	245 °C / 3 sec acc. to IEC 60068-2-58, Test Td
Resistance to Soldering Heat	260 +0/-5 °C / 30 sec acc. to IPC/JEDEC J-STD-020D, Level 1
Moisture Resistance Test	MIL-STD-202, Method 106E (50 cycles in a temp./mister chamber)
Terminal Strength	MIL-STD-202,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

Dimension

3.2 mm



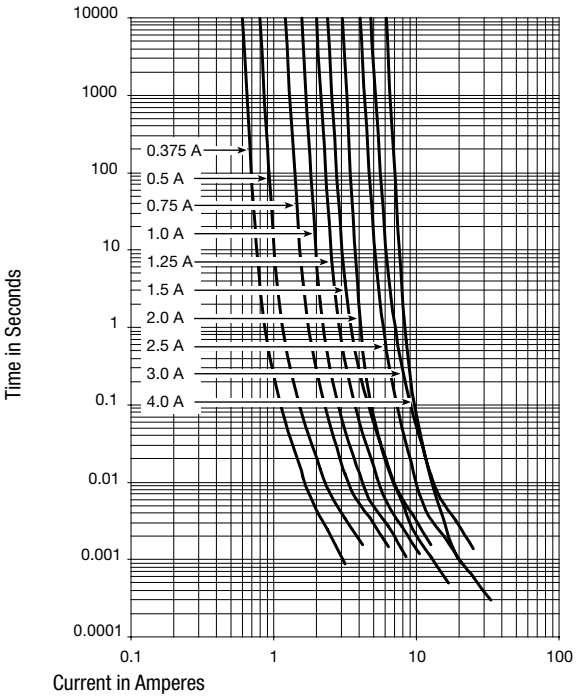
Reflow soldering pads



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

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 I²t 8.0 In typ. [A²s]	c UL us	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	
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	

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Marking	Breaking Capacity	Voltage Drop 1.0 In typ. [mV]	Cold Resistance typ. [mΩ]	Melting I²t 8.0 In typ. [A²s]	cULus	Order Number	
2	32	63	N	2)	70	30	0.13	●	3413.0119.26	
2.5	32	63	0	2)	70	25	0.35	●	3413.0120.11	▮
2.5	32	63	0	2)	70	25	0.35	●	3413.0120.22	▮
2.5	32	63	0	2)	70	25	0.35	●	3413.0120.24	
2.5	32	63	0	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/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.)

19.11.2016

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.