

Surface Mount Fuse, PTC, 2029 or 3425 footprint, 60 VDC



6.0 - 60.0VDC · 0.3 - 2.6A



Description

- Directly solderable on printed circuit boards

Standards

- UL 1434
- CSA C22.2 no. 0, TIL no. CA-3A

Approvals

- UL File Number: E172175
- CSA File Number: 702083

Applications

- Computer & Peripherals
- General electronics
- Automotive applications

References

[General Product Information](#)
[Packaging Details](#)

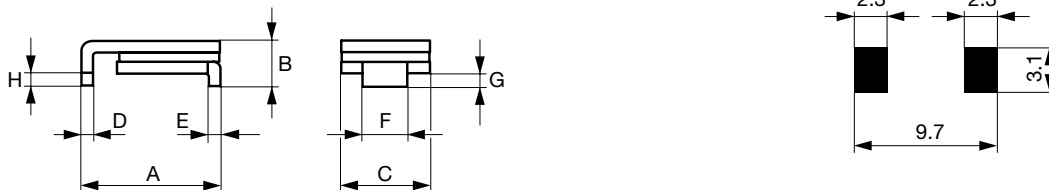
Weblinks

[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)

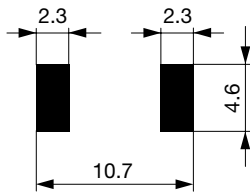
Technical Data

V max	6.0 - 60.0VDC	Soldering Methods	Reflow
I _{max}	40 - 100A	Solderability	245 °C / 3sec
I hold	0.3 - 2.6A	Resistance to Soldering Heat	260 °C / 10sec
Mounting	PCB,SMT	Passing Aging	+85 °C, 1000 Hours -> +/- 5% Typical Resistance Change
Allowable Operation Temp.	-40 °C to 85 °C	Humidity Aging	+85 °C, 85% r.h., 7 Days -> +/- 5% Typical Resistance Change
Material: Terminals	Tin-Plated Brass	Thermal Shock	MIL-STD-202, Method 107 (+125 °C to -55 °C, 10 Cycles) -> +/- 15% Typical Resistance Change
Weight	0.4 g	Vibration	MIL-STD-883C, Method 2007.1, Test Condition A
Storage Conditions	0 °C to 40 °C, max. 70% r.h.		
Product Marking	I hold, Data Code		

Dimensions



Solder pads PFSM.030.2 - PFSM.125.2 and PFSM.260.2



Solder pads PFSM.150.2 and PFSM.200.2

Dimensions

A min [mm]	A max [mm]	B max [mm]	C max [mm]	D min [mm]	D max [mm]	E min [mm]	E max [mm]	F min [mm]	F max [mm]	G min [mm]	G max [mm]	H min [mm]	Order Number
6.73	7.98	3.18	5.44	0.56	0.71	0.56	0.71	2.16	2.41	0.66	1.37	0.43	PFSM.030.2
6.73	7.98	3.18	5.44	0.56	0.71	0.56	0.71	2.16	2.41	0.66	1.37	0.43	PFSM.050.2
6.73	7.98	3.18	5.44	0.56	0.71	0.56	0.71	2.16	2.41	0.66	1.37	0.43	PFSM.075.2
6.73	7.98	3	5.44	0.56	0.71	0.56	0.71	2.16	2.41	0.66	1.37	0.43	PFSM.100.2
6.73	7.98	3	5.44	0.56	0.71	0.56	0.71	2.16	2.41	0.66	1.37	0.43	PFSM.100.33.2
6.73	7.98	3	5.44	0.56	0.71	0.56	0.71	2.16	2.41	0.66	1.37	0.43	PFSM.125.2
8	9.5	3	6.71	0.56	0.71	0.56	0.71	3.68	3.94	0.66	1.37	0.43	PFSM.150.2
8	9.5	3	6.71	0.56	0.71	0.56	0.71	3.68	3.94	0.66	1.37	0.43	PFSM.150.33.2
8	9.5	3	6.71	0.56	0.71	0.56	0.71	3.68	3.94	0.66	1.37	0.43	PFSM.200.2
8	9.5	3	6.71	0.56	0.71	0.56	0.71	3.68	3.94	0.66	1.37	0.43	PFSM.250.2
6.73	7.98	3	5.44	0.56	0.71	0.56	0.71	2.16	2.41	0.66	1.37	0.43	PFSM.260.2

Thermal Derating Chart Ihold [A]

-40 °C	-20 °C	0 °C	23 °C	40 °C	50 °C	60 °C	70 °C	85 °C	Order Number
0.45	0.4	0.35	0.3	0.25	0.23	0.2	0.17	0.14	PFSM.030.2
0.76	0.67	0.59	0.5	0.42	0.38	0.33	0.29	0.23	PFSM.050.2
1.13	1.01	0.88	0.75	0.62	0.56	0.5	0.44	0.34	PFSM.075.2
1.66	1.47	1.29	1.1	0.91	0.83	0.73	0.64	0.5	PFSM.100.2
1.66	1.47	1.29	1.1	0.91	0.83	0.73	0.64	0.5	PFSM.100.33.2
1.89	1.68	1.46	1.25	1.04	0.94	0.83	0.73	0.56	PFSM.125.2
2.27	2.01	1.76	1.5	1.25	1.13	0.99	0.87	0.68	PFSM.150.2
2.27	2.01	1.76	1.5	1.25	1.13	0.99	0.87	0.68	PFSM.150.33.2
3.02	2.68	2.34	2	1.66	1.5	1.32	1.16	0.9	PFSM.200.2
3.78	3.35	2.93	2.5	2.08	1.88	1.65	1.45	1.13	PFSM.250.2
3.64	3.25	2.91	2.6	2.26	2.08	1.95	1.74	1.48	PFSM.260.2

Electrical Characteristics at 23 °C

V max [VDC]	I max [A]	I hold [A]	I trip [A]	R initial min [Ω]	R 1hour max [Ω]	Max Time to trip [A]	Max Time to Trip [s]	Tripped Power Dissipation [W]	Order Number
60.0	40	0.3	0.6	0.9	4.8	1.5	3	1.70	PFSM.030.2
60.0	40	0.5	1	0.35	1.4	2.5	4	1.70	PFSM.050.2
30.0	80	0.75	1.5	0.23	1	8	0.3	1.70	PFSM.075.2
30.0	80	1.1	2.2	0.12	0.48	8	0.5	1.70	PFSM.100.2
33.0	40	1.1	2.2	0.12	0.41	8	0.5	1.70	PFSM.100.33.2
15.0	100	1.25	2.5	0.07	0.25	8	2	1.70	PFSM.125.2
15.0	100	1.5	3	0.06	0.25	8	5	1.90	PFSM.150.2
33.0	40	1.5	3	0.06	0.23	8	5	1.90	PFSM.150.33.2
15.0	100	2	4	0.045	0.125	8	12	1.90	PFSM.200.2
15.0	100	2.5	5	0.024	0.085	8	25	1.90	PFSM.250.2

V max [VDC]	I max [A]	I hold [A]	I trip [A]	R initial min [Ω]	R 1hour max [Ω]	Max Time to trip [A]	Max Time to Trip [s]	Tripped Power Dissipation [W]	Order Number
6.0	100	2.6	5.2	0.025	0.075	8	20	1.70	PFSM.260.2

Packaging Unit PFSM.030.2 - PFSM.125.2 Blister Tape 36 cm Reel (2000 pcs.)
 PFSM.150.2 - PFSM.250.2 Blister Tape 36 cm Reel (1500 pcs.)
 PFSM.260.2 Blister Tape 36 cm Reel (2000 pcs.)

Time-Current-Curves

