

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

[Packaging Details](#)

Weblinks

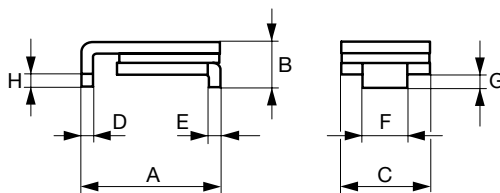
[pdf](#), [html](#), [General Product Information](#), [Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)

Technical Data

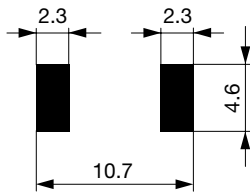
V max	6.0 - 60.0VDC
I _{max}	40 - 100A
I hold	0.3 - 2.6A
Mounting	PCB,SMT
Allowable Operation Temp.	-40 °C to 85 °C
Material: Terminals	Tin-Plated Brass
Weight	0.4 g
Storage Conditions	0 °C to 40 °C, max. 70% r.h.
Product Marking	 , I hold, Data Code

Soldering Methods	Reflow
Solderability	245 °C / 3sec
Resistance to Soldering Heat	260 °C / 10sec
Passing Aging	+85 °C, 1000 Hours -> +/- 5% Typical Resistance Change
Humidity Aging	+85 °C, 85% r.h., 7 Days -> +/- 5% Typical Resistance Change
Thermal Shock	MIL-STD-202, Method 107 (+125 °C to -55 °C, 10 Cycles) -> +/- 15% Typical Resistance Change
Vibration	MIL-STD-883C, Method 2007.1, Test Condition A

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]	Insert depth	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

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

Electrical Characteristics at 23 °C

V max [VDC]	I max [A]	I hold [A]	I trip [A]	R initial min [Ω]	R 1 hour 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

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

