



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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Surface Mount Fuse, PTC, 2018 footprint, 5.1 x 4.6 mm, 60 VDC



60.0VDC · 0.55A



Description

- Directly solderable on printed circuit boards

Standards

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

Approvals

- UL File Number: E172175

Applications

- Power Over Ethernet (IEEE 802.3 af) port protection
- Automotive electronic control module protection
- Telecom equipment low voltage 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

V max	60.0VDC
I _{max}	10A
I hold	0.55A
Attachment	PCB,SMT
Allowable Operation Temperature	-40°C to 85°C
Material: Terminals	Electroless Nickel under Immersion Gold
Weight	0.03 g
Storage Conditions	0°C to 40°C, max. 70% r.h.
Product Marking	I hold, Data Code

Soldering Methods	Reflow Soldering Profile
Solderability	245°C / 3 sec
Resistance to Soldering Heat	260°C / 10 sec
Passing Aging	+85 °C, 1000 Hours -> +/- 5% Typical Resistance Change
Humidity Aging	+85 °C, 85% r.h., 1000 Hours -> +/- 5% Typical Resistance Change
Thermal Shock	+85 °C to -40 °C, 20 Times -> +/- 10% Typical Resistance Change
Vibration	MIL-STD-883C, Method 2007.1, Test Condition A
Resistance to Solvents	MIL-STD-202, Methode 215

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

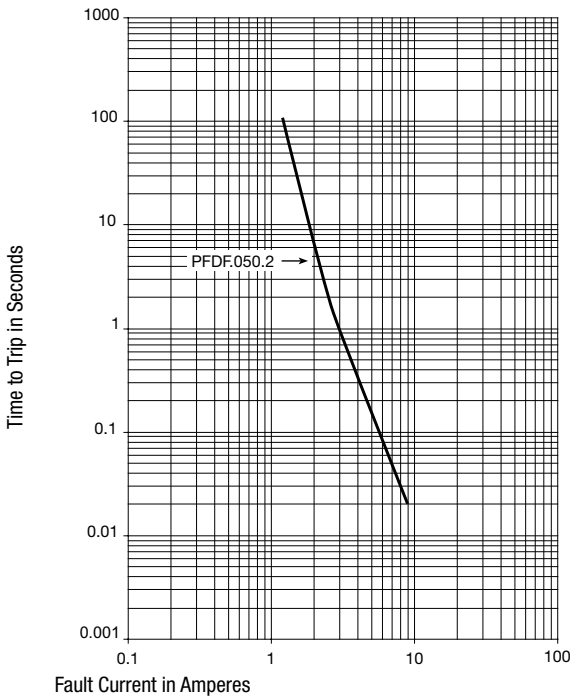
Dimension

5.1 mm



Soldering pads

Time-Current-Curves



Letter heights and Fonts

A min [mm]	A max [mm]	B min [mm]	Insert depth	C min [mm]	C max [mm]	D min [mm]	Order Number
4.72	5.44	4.22	4.93	0.79	1.09	0.3	PFDF.050.2

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

Thermal Derating Chart Ihold [A]

Order Number	-40 °C	-20 °C	0 °C	23 °C	40 °C	50 °C	60 °C	70 °C	85 °C	Order Number
PFDF.050.2	0.86	0.77	0.7	0.55	0.48	0.43	0.38	0.36	0.26	PFDF.050.2

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

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	10	0.55	1.2	0.2	1	2.5	3	1.00	PFDF.050.2

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

Packaging Unit Blister Tape 36 cm Reel (6000 pcs.)

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