

Surface Mount Fuse, PTC, 1210 footprint, 3.2 x 2.6 mm, 30 VDC

new



6.0 - 30.0VDC · 0.05 - 1.5A



**Description**

- Directly solderable on printed circuit boards
- 100% compatible with the PFMU type

**Standards**

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

**Approvals**

- UL File Number: E172175

**Applications**

- Game console port protection
- PC motherboards
- Cellular Phone

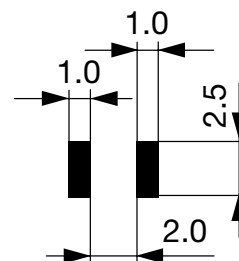
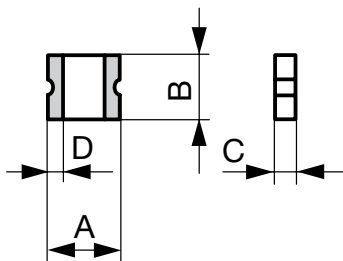
**Technical Data**

V max	6.0 - 30.0VDC
I max	10 - 40A
I hold	0.05 - 1.5A
Fastening	PCB,SMT
Allowable Operation Temp.	-40 °C to 85 °C
Material: Terminals	Electroless Nickel under Immerion Gold
Storage Conditions	0 °C to 40 °C, max. 70% r.h.
Product Marking	I hold, Date code

Soldering Methods	Reflow
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

**Dimensions**

Length 3.2 mm



## Dimensions

A min [mm]	A max [mm]	B min [mm]	B max [mm]	C min [mm]	C max [mm]	D min [mm]	Order Number
3	3.43	2.35	2.8	0.8	1.1	0.3	PFUF.005.2
3	3.43	2.35	2.8	0.8	1.1	0.3	PFUF.010.2
3	3.43	2.35	2.8	0.8	1.1	0.3	PFUF.020.2
3	3.43	2.35	2.8	0.55	0.85	0.3	PFUF.035.2
3	3.43	2.35	2.8	0.55	0.85	0.3	PFUF.050.2
3	3.43	2.35	2.8	0.55	0.85	0.3	PFUF.075.2
3	3.43	2.35	2.8	0.55	0.85	0.3	PFUF.110.2
3	3.43	2.35	2.8	0.4	0.85	0.3	PFUF.150.2

## 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
PFUF.005.2	0.08	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.02	PFUF.005.2
PFUF.010.2	0.15	0.13	0.12	0.1	0.09	0.08	0.07	0.06	0.05	PFUF.010.2
PFUF.020.2	0.32	0.28	0.24	0.2	0.18	0.16	0.14	0.12	0.1	PFUF.020.2
PFUF.035.2	0.51	0.46	0.4	0.35	0.3	0.27	0.24	0.22	0.18	PFUF.035.2
PFUF.050.2	0.76	0.66	0.58	0.5	0.42	0.38	0.35	0.29	0.23	PFUF.050.2
PFUF.075.2	1.1	0.97	0.86	0.75	0.64	0.58	0.55	0.47	0.39	PFUF.075.2
PFUF.110.2	1.6	1.42	1.26	1.1	0.94	0.86	0.8	0.7	0.58	PFUF.110.2
PFUF.150.2	2.3	2.02	1.76	1.5	1.24	1.11	1	0.85	0.65	PFUF.150.2

## 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
30.0	10	0.05	0.15	2.8	50	0.25	1.5	0.60	PFUF.005.2
30.0	10	0.1	0.3	0.8	15	0.5	0.6	0.60	PFUF.010.2
30.0	10	0.2	0.4	0.4	5	8	0.02	0.60	PFUF.020.2
6.0	40	0.35	0.75	0.2	1.3	8	0.2	0.60	PFUF.035.2
13.2	40	0.5	1	0.18	0.9	8	0.1	0.60	PFUF.050.2
6.0	40	0.75	1.5	0.07	0.45	8	0.1	0.60	PFUF.075.2
6.0	40	1.1	2.2	0.05	0.21	5	1	0.60	PFUF.110.2
6.0	40	1.5	3	0.03	0.11	5	5	0.60	PFUF.150.2

**Packaging Unit** Blister Tape 18 cm Reel (3000 pcs.)