Style	Surface Mount PTC Fuse	Surface Mount PTC Fuse	Surface Mount PTC Fuse	Surface Mount PTC Fuse
Dimensions	3.2 x 1.6 mm	4.6 x 3.2 mm	5.1 x 4.6 mm	
Product picture				
Type	**PFNF**	**PFMF**	**PFDF**	**PFSM**
V max [VDC]	6.0 - 30.0 VDC	13.2 - 60.0 VDC	60.0 VDC	6.0 - 60.0 VDC
I max [A]	10 - 100 A	10 - 100 A	10 A	40 - 100 A
I hold [A]	0.12 - 1.5 A	0.1 - 0.75 A	0.55 A	0.3 - 2.6 A
Comment	1206 footprint	1812 footprint	2018 footprint	2029 and 3425 footprint
Operating Temperature	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C
Approvals				
Catalogue page	xxx	xxx	xxx	xxx

Style	Surface Mount PTC Fuse	Radial leaded PTC fuse	Radial leaded PTC fuse
Dimensions			
Product picture			
Type	**PFHT**	**PFRA**	**PFRX**
V max [VDC]	16.0 VDC	16.0 - 60.0 VDC	60.0 VDC
I max [A]	100 A	40 - 100 A	40 A
I hold [A]	1.36 - 1.6 A	0.05 - 11 A	1.1 - 3.75 A
Comment	2029 and 3425 footprint		
Operating Temperature	-40 °C to 125 °C	-40 °C to 85 °C	-40 °C to 85 °C
Approvals			
Catalogue page	xxx	xxx	xxx

PFMF

1812 footprint · 13.2 - 60.0 VDC · 0.1 - 0.75 A

Description
- 100% compatible with the PFMD type

Approvals
- UL File Number: E172175

Applications
- Hard disk drives
- PC motherboards
- PC peripherals
- PCMCIA cards
- USB port protection

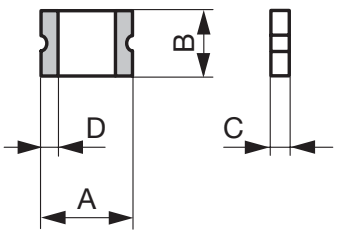
Technical Data

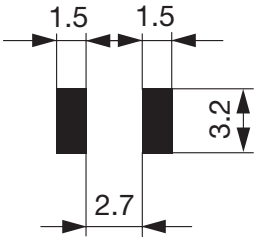
V max [VDC]	13.2 - 60.0 VDC
I max [A]	10 - 100 A
I hold [A]	0.1 - 0.75 A
Fastening	PCB,SMT
Allowable operation temp.	-40 °C to 85 °C
Material: Terminals	Electroless Nickel under Immerion Gold
Weight	0.01 g
Stock Conditions	0 °C to 40 °C, max. 70% r.h.
Product Marking	I hold

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 4.6 mm





Solder pads

PFMF

Dimensions

Order Number	A min [mm]	A max [mm]	B min [mm]	B max [mm]	C min [mm]	C max [mm]	D min [mm]
PFMF.010.2	4.37	4.73	3.07	3.41	0.7	1.1	0.3
PFMF.014.2	4.37	4.73	3.07	3.41	0.7	1.1	0.3
PFMF.020.2	4.37	4.73	3.07	3.41	0.7	1.1	0.3
PFMF.030.2	4.37	4.73	3.07	3.41	0.7	1.1	0.3
PFMF.050.2	4.37	4.73	3.07	3.41	0.55	0.85	0.3
PFMF.075.2	4.37	4.73	3.07	3.41	0.55	0.85	0.3

Thermal Derating Chart Ihold / Itrip [A]

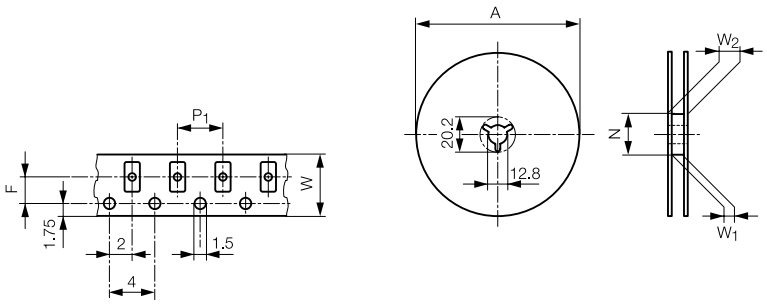
Order Number	-40 °C	-20 °C	0 °C	23 °C	40 °C	50 °C	60 °C	70 °C	85 °C
PFMF.010.2	0.16 / 0.32	0.14 / 0.28	0.12 / 0.24	0.1 / 0.3	0.08 / 0.16	0.07 / 0.14	0.06 / 0.12	0.05 / 0.1	0.03 / 0.06
PFMF.014.2	0.23 / 0.52	0.19 / 0.45	0.17 / 0.4	0.14 / 0.34	0.12 / 0.29	0.1 / 0.25	0.09 / 0.23	0.08 / 0.21	0.06 / 0.16
PFMF.020.2	0.29 / 0.58	0.26 / 0.52	0.23 / 0.46	0.2 / 0.4	0.17 / 0.34	0.15 / 0.3	0.14 / 0.28	0.12 / 0.24	0.1 / 0.2
PFMF.030.2	0.44 / 0.88	0.39 / 0.78	0.35 / 0.7	0.3 / 0.6	0.26 / 0.52	0.23 / 0.46	0.21 / 0.42	0.18 / 0.36	0.15 / 0.3
PFMF.050.2	0.77 / 1.54	0.68 / 1.36	0.59 / 1.18	0.5 / 1	0.44 / 0.88	0.4 / 0.8	0.37 / 0.74	0.33 / 0.66	0.29 / 0.58
PFMF.075.2	1.15 / 2.3	1.01 / 2.02	0.88 / 1.76	0.75 / 1.5	0.65 / 1.3	0.6 / 1.2	0.55 / 1.1	0.49 / 0.98	0.43 / 0.86

Electrical Characteristics

Order Number	V max [VDC]	I max [A]	I hold [A]	I trip [A]	R initial min [mΩ]	R 1hour max [Ω]	Max Time to trip [A]	Max Time to Trip [s]	Tripped Power Dissipation [W]
PFMF.010.2	60.0	40	0.1	0.3	0.7	15	0.5	1.5	0.80
PFMF.014.2	60.0	40	0.14	0.34	0.4	6.5	1.5	0.15	0.80
PFMF.020.2	30.0	80	0.2	0.4	0.4	6	6	0.06	0.80
PFMF.030.2	30.0	10	0.3	0.6	0.3	3	8	0.1	0.80
PFMF.050.2	15.0	100	0.5	1	0.15	1	8	0.15	0.80
PFMF.075.2	13.2	100	0.75	1.5	0.11	0.45	8	0.2	0.80

Packaging Unit

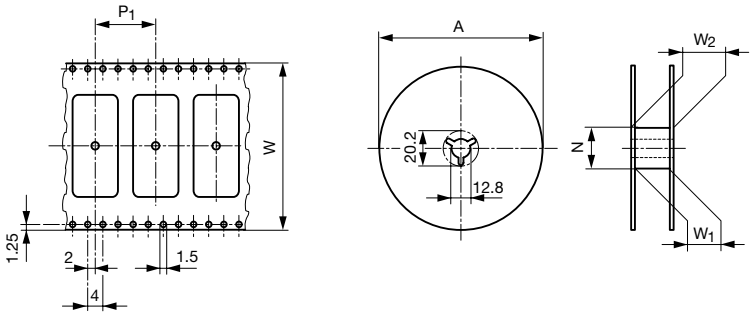
PFMF.010.2 - PFMF.030.2 Blister Tape 18 cm Reel (1500 pcs.)
PFMF.050.2 + PFMF.075.2 Blister Tape 18 cm Reel (2000 pcs.)



Blistertape and Reel Dimensions

according to IEC 60286-3

Type	P1 [mm]	F [mm]	W [mm]	N [mm]	W1 [mm]	W2 [mm]	A 750 Pcs.	A 1000 Pcs.	A 1500 Pcs.	A 2000 Pcs.	A 3000 Pcs.	A 5000 Pcs.	A 10000 Pcs.	A 15000 Pcs.
USF 0603	4	3.5	8	62	8.4	14.4		180 mm				180 mm		330 mm
USF 1206	4	3.5	8	62	8.4	14.4		180 mm				180 mm		330 mm
MGA	4	3.5	8	62	8.4	14.4	180 mm				180 mm			330 mm
UMT 250	8	11.5	24	62	24.4	30.4				330 mm				
172876	4	5.5	12	62	12.4	18.4			180 mm			330 mm		
MKF	4	5.5	12	62	12.4	18.4	180 mm [500 Pcs.]		180 mm					
MSB	4	5.5	12	62	12.4	18.4			180 mm			330 mm		
MKT	4	5.5	12	62	12.4	18.4	180 mm [500 Pcs.]		180 mm					
OMF 63	8	7.5	16	62	16.4	22.4	180 mm				330 mm			
OMK 63	8	11.5	24	62	24.4	30.4			330 mm					
OMF 125	8	7.5	16	62	16.4	22.4	180 mm				330 mm			
OMK 125	8	11.5	24	62	24.4	30.4	180 mm		330 mm					
OMT 125	8	7.5	16	62	16.4	22.4	180 mm				330 mm			
OMZ 125	8	11.5	24	62	24.4	30.4	180 mm		330 mm					
OMF 250	8	11.5	24	62	24.4	30.4				330 mm				
OMT 250	8	11.5	24	62	24.4	30.4				330 mm				
TF 600	8	11.5	24	62	24.4	30.4				330 mm				
OSU 125	8	7.5	16	62	16.4	22.4	180 mm				330 mm			
OSU 250	8	11.5	24	62	24.4	30.4				330 mm				
OMH 125	8	11.5	24	62	24.4	30.4	180 mm		330 mm					
PFNF	4	3.5	8	62	8.4	14.4					180 mm			
PFMF	8	5.5	12	62	12.4	18.4			180 mm	180 mm				
PFDF	8	7.5	16	62	16.4	22.4					360 mm			
PFSM	8/12	7.5	16	62	16.4	22.4			360 mm	360 mm				
PFHT	8/12	7.5	16	62	16.4	22.4			360 mm	360 mm				



Blistertape and Reel Dimensions

according to IEC 60286-3

Type	P1 [mm]	W [mm]	N [mm]	W1 [mm]	W2 [mm]	A 250 Pcs.	A 400 Pcs.	A 2000 Pcs.
SMD-FST	8	32	100	32.4	38.4			380 mm
SMD-SPT	8	32	100	32.4	38.4			380 mm
SMD-FTT	8	32	100	32.4	38.4			380 mm
OGN-SMD	16	44	100	44.4	50.4		380 mm	
FPG7	16	56	150	56.4	62.4	380 mm		