

Surface Mount Fuse, PTC, 2029 or 3425 footprint, 16 VDC, up to 125 °C

new



16.0VDC · 1.36 - 1.6A



Description

- Operating temperature range up to 125 °C

Applications

- Overcurrent protection at operating temperature over 85 °C

References

[Packaging Details](#)

Weblinks

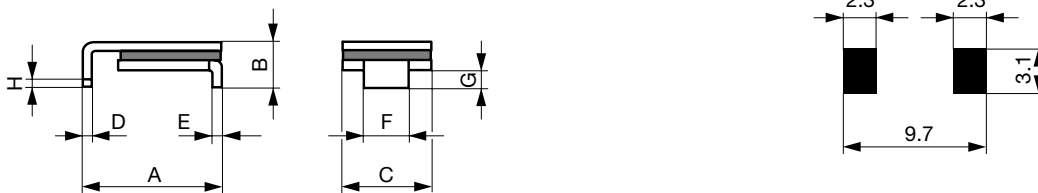
[pdf](#), [html](#), [General Product Information](#), [Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)

Technical Data

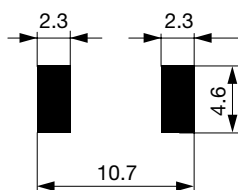
V max	16.0VDC
I _{max}	100A
I hold	1.36 - 1.6A
Mounting	PCB,SMT
Allowable Operation Temp.	-40 °C to 125 °C
Material: Terminals	Tin-Plated Brass
Weight	0.4 g
Storage Conditions	0 °C to 40 °C, max. 70% r.h.
Product Marking	I hold

Soldering Methods	Reflow
Solderability	215 °C / 3sec
Resistance to Soldering Heat	260 °C / 10sec
Passing Aging	+125 °C, 1000 Hours -> +/- 15% Typical Resistance Change
Humidity Aging	+85 °C, 85% r.h., 7 Days -> +/- 15% 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 PFHT.136.2



Solder pads PFHT.160.2

Dimensions

Order Number	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
PFHT.136.2	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	PFHT.136.2
PFHT.160.2	8	9.5	3	6.71	0.56	0.71	0.56	0.71	3.68	3.94	0.66	1.37	0.43	PFHT.160.2

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	125 °C	Order Number
PFHT.136.2	1.91	1.72	1.54	1.36	1.18	1.09	1	0.91	0.77	0.4	PFHT.136.2
PFHT.160.2	2.15	1.96	1.78	1.6	1.42	1.33	1.24	1.15	1.02	0.64	PFHT.160.2

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
16.0	100	1.36	2.72	0.104	0.3	8	10	2.10	PFHT.136.2
16.0	100	1.6	3.2	0.05	0.15	8	10	2.10	PFHT.160.2

Packaging Unit	PFHT.136.2	Blister Tape 36 cm Reel (2000 pcs.)
	PFHT.160.2	Blister Tape 36 cm Reel (1500 pcs.)

Time-Current-Curves

