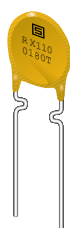


On phase-out, not recommended for new designs



60.0VDC · 1.1 - 3.75A



Description

- PFRY is recommended as substitute

Standards

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

Approvals

- UL File Number: E172175

Applications

- Security and fire alarm systems
- Loud speakers
- Power transformers

References

[Packaging Details](#)

Weblinks

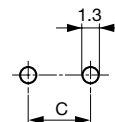
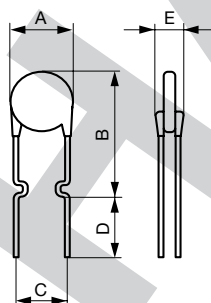
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

V max	60.0VDC
I _{max}	40A
I hold	1.1 - 3.75A
Mounting	PCB,THT
Allowable Operation Temp.	-40 °C to 85 °C
Material: Terminals	Tin-Plated Copper
Weight	0.35 g
Storage Conditions	0 °C to 40 °C, max. 70% r.h.
Product Marking	 Type, I hold

Soldering Methods	Wave
Solderability	235 °C / 2 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	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
Resistance to Solvents	MIL-STD-202, Methode 215
Flammability	UL 94V-0

Dimensions



PFRA.010 - PFRA.185

Drilling diagram

Dimensions

A max [mm]	Insert depth	C min [mm]	C max [mm]	D min [mm]	E max [mm]	Ø Lead [mm]	Order Number
13	18	4.4	5.1	7.6	3.1	0.81	PFRX.110
14.5	19.6	4.4	5.1	7.6	3.1	0.81	PFRX.135
16.3	21.3	4.4	5.1	7.6	3.1	0.81	PFRX.160
17.8	22.9	4.4	5.1	7.6	3.1	0.81	PFRX.185
21.3	26.4	9.5	10.2	7.6	3.1	0.81	PFRX.250
24.9	30	9.5	10.2	7.6	3.1	0.81	PFRX.300
28.4	33.5	9.5	10.2	7.6	3.1	0.81	PFRX.375

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
1.71	1.5	1.31	1.1	0.89	0.79	0.69	0.59	0.44	PFRX.110
2.09	1.84	1.61	1.35	1.09	0.97	0.85	0.73	0.54	PFRX.135
2.48	2.18	1.9	1.6	1.3	1.15	1.01	0.86	0.64	PFRX.160
2.87	2.52	2.2	1.85	1.5	1.33	1.17	1	0.74	PFRX.185
3.88	3.4	2.98	2.5	2.03	1.8	1.58	1.35	1	PFRX.250
4.65	4.08	3.57	3	2.43	2.16	1.89	1.62	1.2	PFRX.300
5.81	5.1	4.46	3.75	3.04	2.7	2.36	2.03	1.5	PFRX.375

Electrical Characteristics at 23 °C

V max [VDC]	I max [A]	I hold [A]	I trip [A]	R initial min [Ω]	R initial max [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	1.1	2.2	0.15	0.25	0.38	5.5	8.2	1.50	PFRX.110
60.0	40	1.35	2.7	0.12	0.19	0.3	6.75	9.6	1.70	PFRX.135
60.0	40	1.6	3.2	0.09	0.14	0.22	8	11.4	1.90	PFRX.160
60.0	40	1.85	3.7	0.08	0.12	0.19	9.25	12.6	2.10	PFRX.185
60.0	40	2.5	5	0.05	0.08	0.13	12.5	15.6	2.50	PFRX.250
60.0	40	3	6	0.04	0.06	0.1	15	19.8	2.80	PFRX.300
60.0	40	3.75	7.5	0.03	0.05	0.08	18.75	24	3.20	PFRX.375

Packaging Unit

PFRX.xxx Bulk (500 pcs.)
PFRX.110.2 - PFRX.160.2 Taped 34 cm Reel (1500 pcs.)
PFRX.185.2 Taped 34 cm Reel (1000 pcs.)

Time-Current-Curves

