



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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Radial Leaded Fuse, PTC, 72 VDC



72.0VDC · 1.1 - 3.75A



Description

- Replacement for PFRX type
- Max. rated voltage 72 VDC

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](#), [Packaging details](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

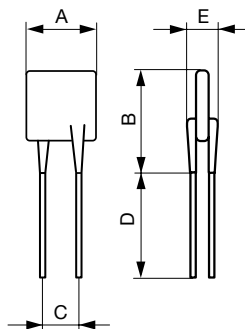
Technical Data

V max	72.0VDC
I _{max}	40A
I hold	1.1 - 3.75A
Attachment	PCB,THT
Allowable Operation Temperature	-40 °C to 85 °C
Material: Terminals	Tin-Plated Copper
Weight	3 g
Storage Conditions	0 °C to 40 °C, max. 70% r.h.
Product Marking	 Type, Rated current

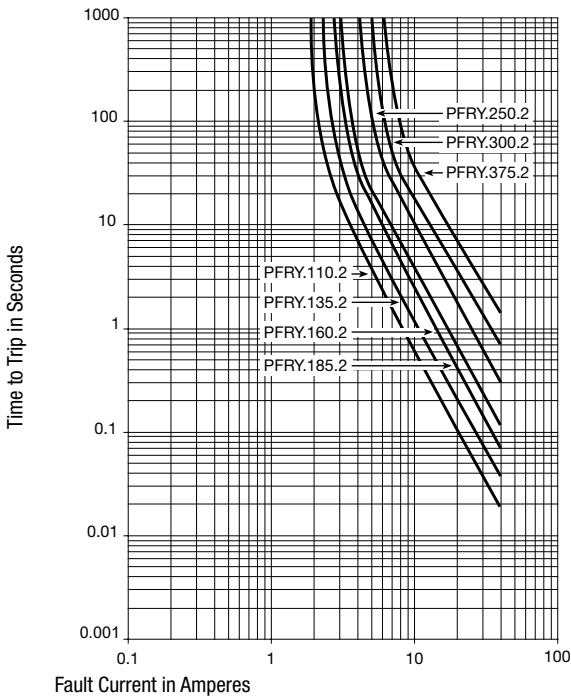
Soldering Methods	Wave Soldering Profile
Solderability	235 °C / 2 sec
Resistance to Soldering Heat	260 °C / 10 sec
Passing Aging	+85 °C, 1000 Hours -> +/- 5% Typical Resistance Change
Humidity Aging	+85 °C, 85% r.h., 1000 Hours -> +/- 5% Typical Resistance Change
Thermal Shock	+85 °C to -55 °C, 10 Times -> +/- 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



Time-Current-Curves



Letter heights and Fonts

A max [mm]	Insert depth	C min [mm]	C max [mm]	D min [mm]	E max [mm]	Ø Lead [mm]	Order Number
10.84	16.8	4.4	5.8	7.6	3	0.81	PFRY.110
12.26	18.3	4.4	5.8	7.6	3	0.81	PFRY.135
13.94	19.9	4.4	5.8	7.6	3	0.81	PFRY.160
15.18	21.2	4.4	5.8	7.6	3	0.81	PFRY.185
17.84	23.8	9.5	10.9	7.6	3	0.81	PFRY.250
20.67	23.8	9.5	10.9	7.6	3	0.81	PFRY.300
23.51	29.6	9.5	10.9	7.6	3	0.81	PFRY.375

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

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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 1hour max [Ω]	Max Time to trip [A]	Max Time to Trip [s]	Tripped Power Dissipation [W]	Order Number
72.0	40	1.1	2.2	0.15	0.25	0.38	5.5	8.2	-	PFRY.110
72.0	40	1.35	2.7	0.12	0.19	0.3	6.75	9.6	1.70	PFRY.135
72.0	40	1.6	3.2	0.09	0.14	0.22	8	11.4	1.90	PFRY.160
72.0	40	1.85	3.7	0.08	0.12	0.19	9.25	12.6	2.10	PFRY.185
72.0	40	2.5	5	0.05	0.08	0.13	12.5	15.6	2.50	PFRY.250
72.0	40	3	6	0.04	0.06	0.1	15	19.8	2.80	PFRY.300
72.0	40	3.75	7.5	0.03	0.05	0.08	18.75	24	3.20	PFRY.375

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Packaging Unit PFRY.xxxBulk (500 pcs.)