

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**

- [General Product Information](#)
- [Packaging Details](#)

**Weblinks**

- [Approvals, RoHS, CHINA-RoHS, Distributor-Stock-Check, Accessories, Product Change Notification \(PCN\)](#)

**Technical Data**

V max	72.0VDC
I <sub>max</sub>	40A
I hold	1.1 - 3.75A
Mounting	PCB, THT
Allowable Operation Temp.	-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, Current

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	+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

**Dimensions**



PFRY.110 - PFRY.375

Drilling diagram

### Dimensions

A max [mm]	B max [mm]	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

### 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

### 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

**Packaging Unit** PFRY.xxxBulk (500 pcs.)

Time-Current-Curves

