



BOURNS®

Features

- Designed to UL 248-19 (gPV) photovoltaic fuse standard
- 1500 VDC and 4-30 A ratings available
- Up to 50 kA interrupting rating
- Available in ferrule and crimp cap options
- RoHS compliant* and halogen free**



PF-PVC150R Series – Photovoltaic (gPV) Power Fuses

Clearing Time Characteristics for Series

% of Current Rating	Clearing Time at 25 °C	
	Minimum	Maximum
100 %	4 hours	—
135 %	—	60 minutes
200 %	—	4 minutes

Additional Information

Click these links for more information:



Electrical Characteristics

Model	Rated Current (A)	Nominal Resistance (Ω)***	Rated Voltage	Interrupting Rating	Nominal I ² t (A ² s)****	Watts Loss (W)		UL LISTED
						@ 70 % In	@ 100 % In	
PF-PVC150R4C1	1500 VDC	50 kA @ 1500 VDC	50 kA @ 1500 VDC	50 kA @ 1500 VDC	56	1.7	2.8	E526252
PF-PVC150R4C2					70	1.7	2.8	
PF-PVC150R5C1					86	1.8	2.9	
PF-PVC150R5C2					192	1.8	3.1	
PF-PVC150R6C1					320	2.0	3.3	
PF-PVC150R6C2					576	2.1	3.5	
PF-PVC150R8C1					675	3.1	5.6	
PF-PVC150R8C2					768	3.3	6.5	
PF-PVC150R10C1					880	4.4	6.8	
PF-PVC150R10C2					937	4.9	8.1	
PF-PVC150R12C1					3060	5.0	10.0	
PF-PVC150R12C2								
PF-PVC150R15C1								
PF-PVC150R15C2								
PF-PVC150R16C1								
PF-PVC150R16C2								
PF-PVC150R20C1								
PF-PVC150R20C2								
PF-PVC150R25C1								
PF-PVC150R25C2								
PF-PVC150R30C1								
PF-PVC150R30C2								

*** Resistance value was measured with less than 10 % of rated current at 25 °C.

**** Nominal I²t value is measured at 1000 % of rating current.

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

"SingIFuse" is a trademark of Bourns, Inc.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

Applications

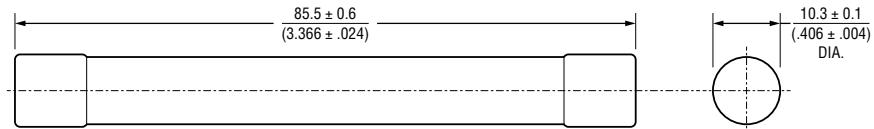
- Solar combiner boxes and inverters
- Battery charge controllers
- Solar string protectors
- Power supplies

PF-PVC150R Series – Photovoltaic (gPV) Power Fuses

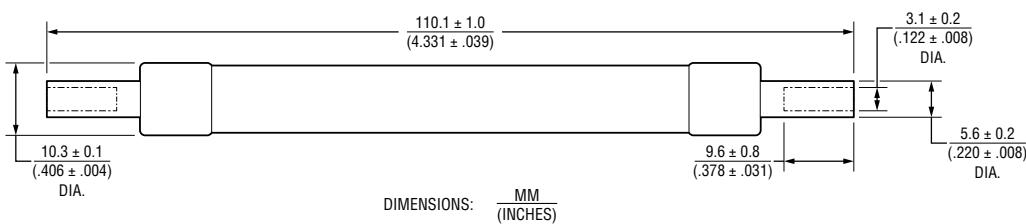
BOURNS®

Product Dimensions

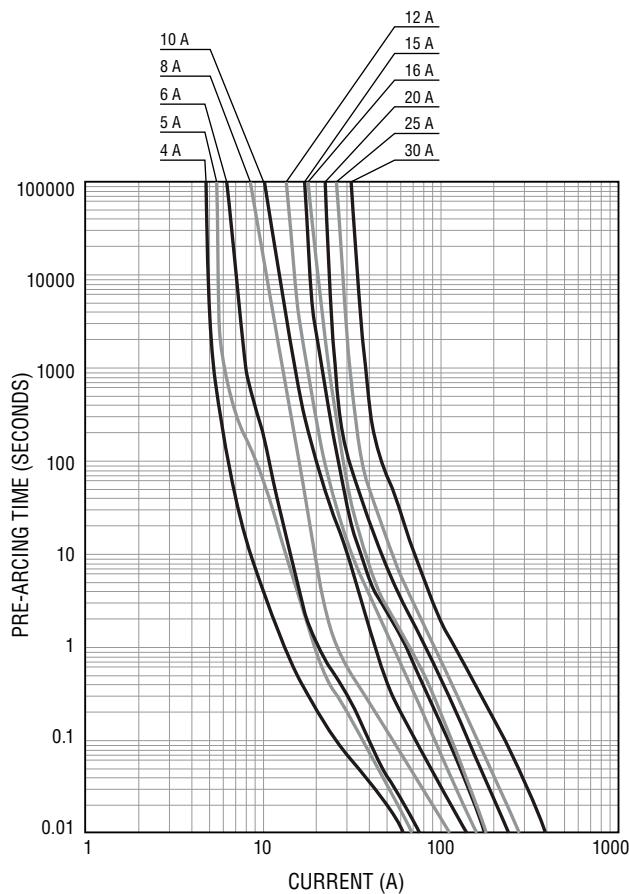
Ferrule / C1 Type



Crimp Cap / C2 Type



Average Pre-Arcing Time vs. Current Curves



How to Order

PF - PVC 150R 10 C1

POWRFuse™ _____
Product Designator _____

Series Name _____

Rated Voltage _____
150R = 1500 VDC

Rated Current _____
4 - 30 = 4A - 30 A

Mounting Type _____
C1 = Ferrule, Type 1
C2 = Crimp Cap, Type 2

Packaging

Model	Quantity
PF-PVC150R	10 pcs./box
	50 pcs./tray

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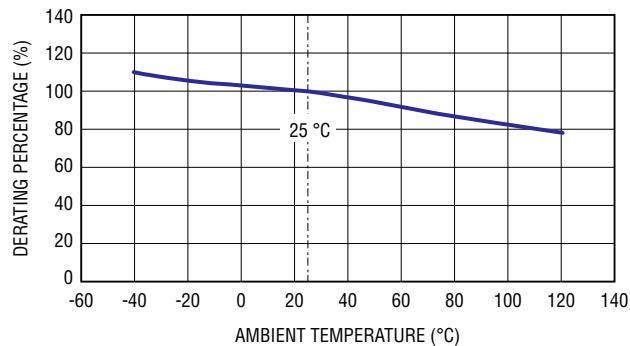
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PF-PVC150R Series – Photovoltaic (gPV) Power Fuses

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Current Rating Thermal Derating Curve



Typical Part Marking

Rating Current (A)	Note	Style	Marking
4	4	Label stuck to tube	
5	5		
6	6		
8	8		
10	10		
12	12		
15	15		
16	16		
20	20		
25	25		
30	30		

PF-PVC150R
(Note) **A 1500VDC**
gPV IR 50kA

Environmental Characteristics

Operating Temperature	-40 °C to +90 °C
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BOURNS®

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