

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**

BOURNS® POWr FUSE™

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:

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Electrical Characteristics

Model	Rated Current (A)	Nominal Resistance (mΩ)***	Rated Voltage	Interrupting Rating	Nominal I^2t (A^2s)****	Watts Loss (W)		c UL us LISTED
						@ 70 % In	@ 100 % In	
PF-PVC150R4C1	4	106.7	1500 VDC	50 kA @ 1500 VDC	56	1.7	2.8	E526252
PF-PVC150R4C2								
PF-PVC150R5C1	5	68.1			70	1.7	2.8	
PF-PVC150R5C2								
PF-PVC150R6C1	6	43.3			86	1.8	2.9	
PF-PVC150R6C2								
PF-PVC150R8C1	8	30.0			192	1.8	3.1	
PF-PVC150R8C2								
PF-PVC150R10C1	10	25.3			320	2.0	3.3	
PF-PVC150R10C2								
PF-PVC150R12C1	12	19.0			576	2.1	3.5	
PF-PVC150R12C2								
PF-PVC150R15C1	15	16.1			675	3.1	5.6	
PF-PVC150R15C2								
PF-PVC150R16C1	16	12.5			768	3.3	6.5	
PF-PVC150R16C2								
PF-PVC150R20C1	20	10.3			880	4.4	6.8	
PF-PVC150R20C2								
PF-PVC150R25C1	25	7.27			937	4.9	8.1	
PF-PVC150R25C2								
PF-PVC150R30C1	30	4.80			3060	5.0	10.0	
PF-PVC150R30C2								

*** Resistance value was measured with less than 10 % of rated current at 25 °C.
**** Nominal I^2t value is measured at 1000 % of rating current.

CALIFORNIA WARNING Can expose you to lead, a carcinogen and reproductive toxicant. See www.P65Warnings.ca.gov

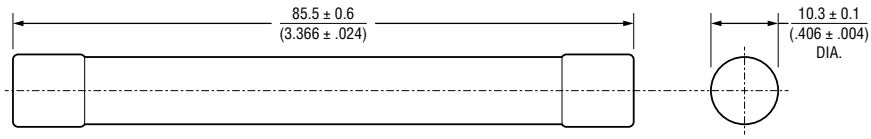
* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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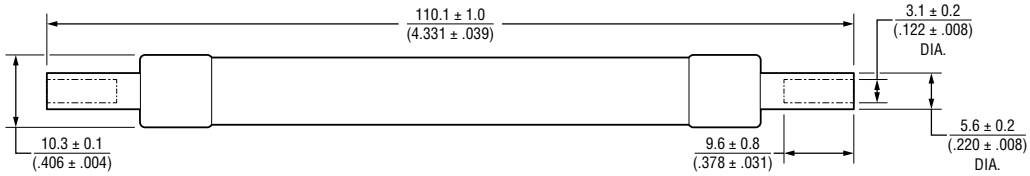
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Product Dimensions

Ferrule / C1 Type

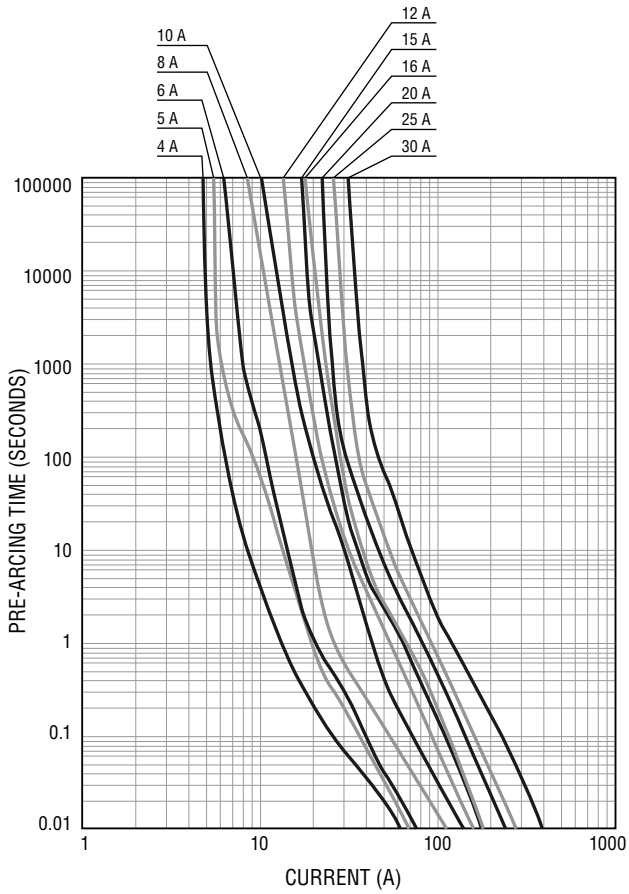


Crimp Cap / C2 Type



DIMENSIONS: MM / (INCHES)

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

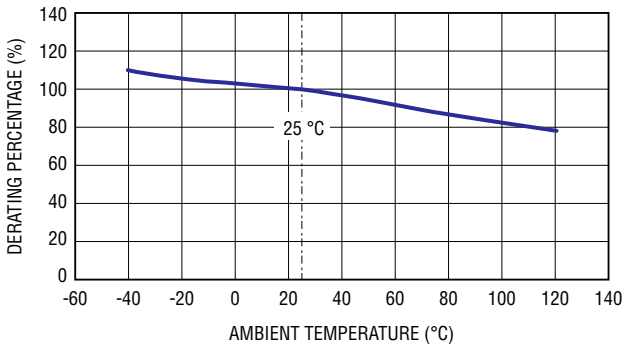
Packaging

Model	Quantity	
	Inner Box	Outer Box
PF-PVC150R-C1	20 pcs.	700 pcs.
PF-PVC150R-C2	35 pcs.	420 pcs.

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Current Rating Thermal Derating Curve



Environmental Characteristics

Operating Temperature	-40 °C to +90 °C

Typical Part Marking

Rating Current (A)	Note	Style	Marking
4	4	Label stuck to tube	PF-PVC150R (Note) A 1500VDC gPV IR 50kA
5	5		
6	6		
8	8		
10	10		
12	12		
15	15		
16	16		
20	20		
25	25		
30	30		

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