




## POWrFuse™ PF-H (Ind) Series Features

- Designed to UL 248-14 supplemental fuse standard
- 6-12 A ratings available
- Up to 100 kA interrupting rating
- Available in ferrule or PCB mounting options
- RoHS compliant\* and halogen free\*\*
- Agency recognition: 



## PF-H (Ind) Series – Industrial Power Fuses

### Clearing Time Characteristics for Series


% of Current Rating	Clearing Time at 25 °C	
	Minimum	Maximum
100 %	4 hours	—
135 %	—	60 minutes
200 %	—	2 minutes

### Additional Information

Click these links for more information:



### Electrical Characteristics

Model	Rated Current (A)	Nominal Resistance (Ω) <sup>***</sup>	Rated Voltage	Interrupting Rating	Nominal I <sup>2</sup> t (A <sup>2</sup> s) <sup>****</sup>	Watts Loss (W)		Agency Recognition
						@ 70 % In	@ 100 % In	
PF-HC1-6	6	0.02675	600 VAC 600 VDC	100 kA @ 600 VAC 100 kA @ 600 VDC	50.724	1.05	2.4	 <a href="#">E198545</a>
PF-HT1-6								
PF-HC1-12	12	0.0108	600 VAC 600 VDC	100 kA @ 600 VAC 100 kA @ 600 VDC	258.192	1.7	4.3	
PF-HT1-12								

<sup>\*\*\*</sup> Resistance value measured with ≤10 % rated current at 25 °C ambient.

<sup>\*\*\*\*</sup> Nominal I<sup>2</sup>t value measured at 10x rated current.



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\* 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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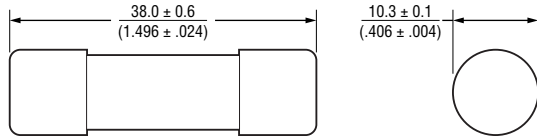
**WARNING**  
Cancer and Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

# PF-H (Ind) Series – Industrial Power Fuses



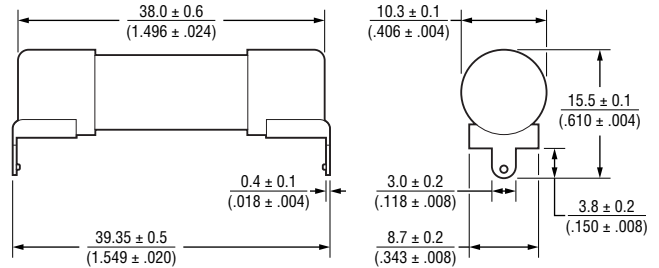
## Product Dimensions

### Ferrule/C1



DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

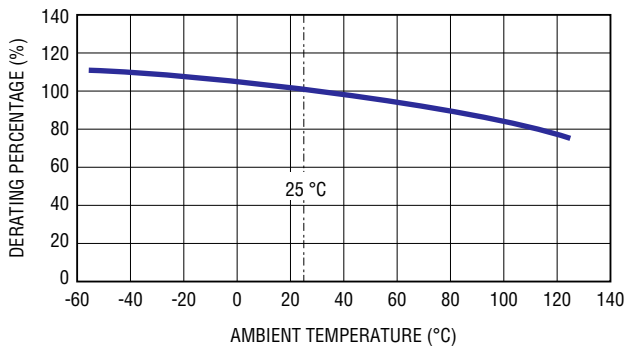
### PCB Mounting/T1



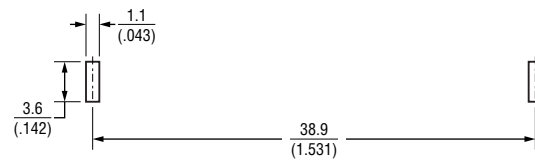
## Environmental Characteristics

Operating Temperature.....-55 °C to +125 °C

## Current Rating Thermal Derating Curve



## Recommended Drilling Pattern



## Wave Soldering Recommendations (for PCB Mounting)

Profile Feature	Pb-Free Assembly
Preheat: Temperature Max. Temperature Min.	150 °C 100 °C
Solder Pot Temperature	280 °C max.
Solder Dwell Time	8 seconds max.

## Hand Soldering Recommendations (for PCB Mounting)

Soldering Iron Temperature	Heating Time
350 °C ± 5 °C	40 sec. max.

## Typical Part Marking

Model	Note	Ink Color	Marking
PF-HC1-6	6	Black	
PF-HC1-12	12		
PF-HT1-6	6	Black	
PF-HT1-12	12		

## How to Order

PF - H C1 - 12

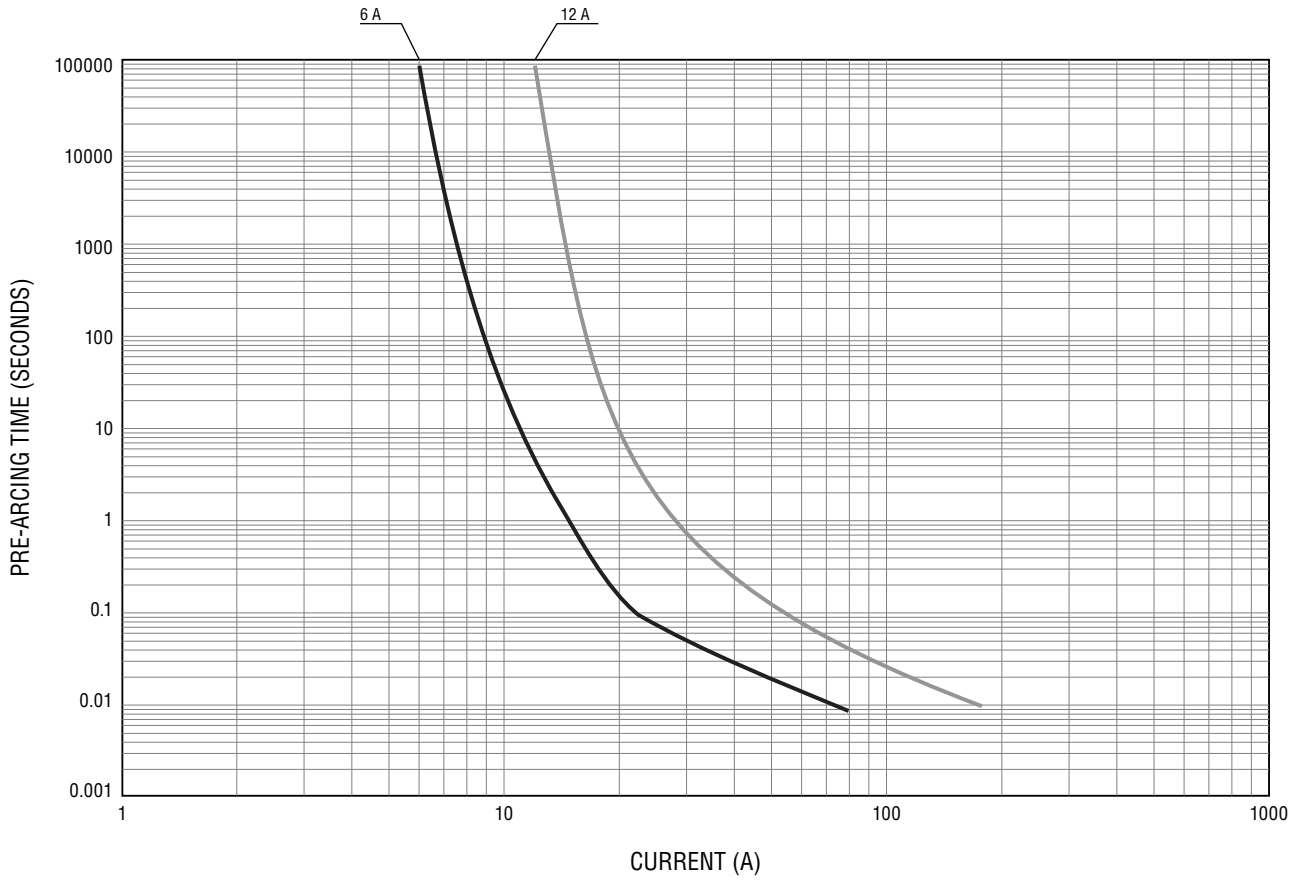
POWrfuse™ \_\_\_\_\_  
 Product Designator \_\_\_\_\_  
 Series Name \_\_\_\_\_  
 Mounting Type \_\_\_\_\_  
 C1 = Ferrule, Type 1  
 T1 = PCB Mounting, Type 1  
 Rated Current \_\_\_\_\_  
 6 - 12 = 6 A - 12 A

## Packaging

Model	Quantity
PF-HC1	10 pcs. / box
PF-HT1	50 pcs. / tray

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Average Pre-Arcing Time vs. Current Curves



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