



### POWrFuse™ PF-G Series Features

- Designed to UL 248-1 (90 A) and 248-14 (63 A) standards
- 500 VAC (90 A) and 600 VAC (63 A) ratings available
- Up to 2 kA interrupting rating
- RoHS compliant\* and halogen free\*\*
- Agency recognition: US



## PF-G Series – Industrial Power Fuses

#### Clearing Time Characteristics for Series

% of Current Rating	Clearing Time at 25 °C	
	Minimum	Maximum
100 %	4 hours	—
200 % (63 A)	—	120 seconds
200 % (90 A)	—	360 seconds

#### Additional Information

Click these links for more information:

PRODUCT

TECHNICAL LIBRARY

INVENTORY

SAMPLES

CONTACT

#### 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>	Agency Recognition
						US
PF-GT3-63	63	0.0013	600 VAC 125 VDC	1500 A @ 600 VAC 2000 A @ 250 VAC 500 A @ 125 VDC	9892.95	<a href="#">E198545</a>
PF-GT3-90	90	0.00085	500 VAC	1500 A @ 500 VAC	9234	<a href="#">E500949</a>

<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.

## BOURNS®

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

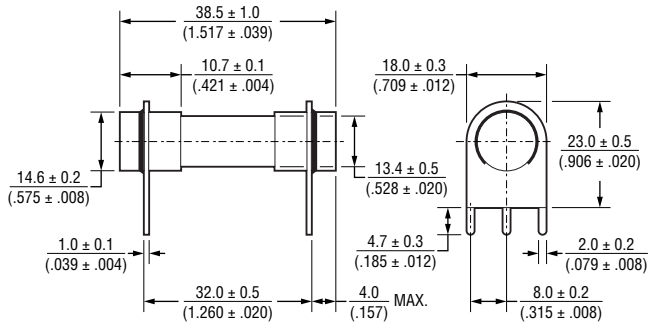
\* RoHS Directive 2015/863, Mar 31, 2015 and Annex.  
 \*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.  
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#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

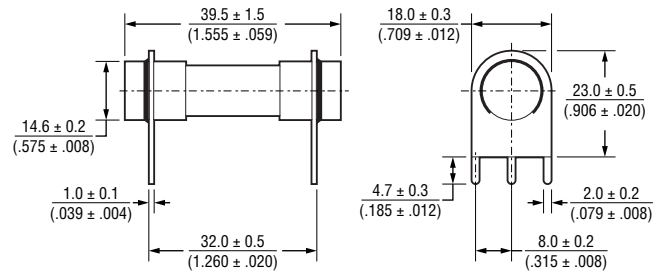


## Product Dimensions (PCB Mounting/T3)

PF-GT3-63



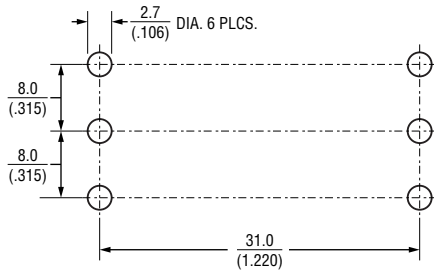
PF-GT3-90



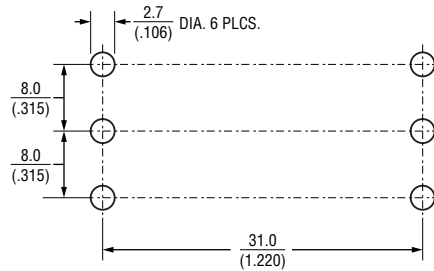
DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

## Recommended Drilling Pattern

PF-GT3-63



PF-GT3-90



## Wave Soldering Recommendations

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 $\pm$ 5 °C	40 sec. max.

## Environmental Characteristics

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

## Typical Part Marking

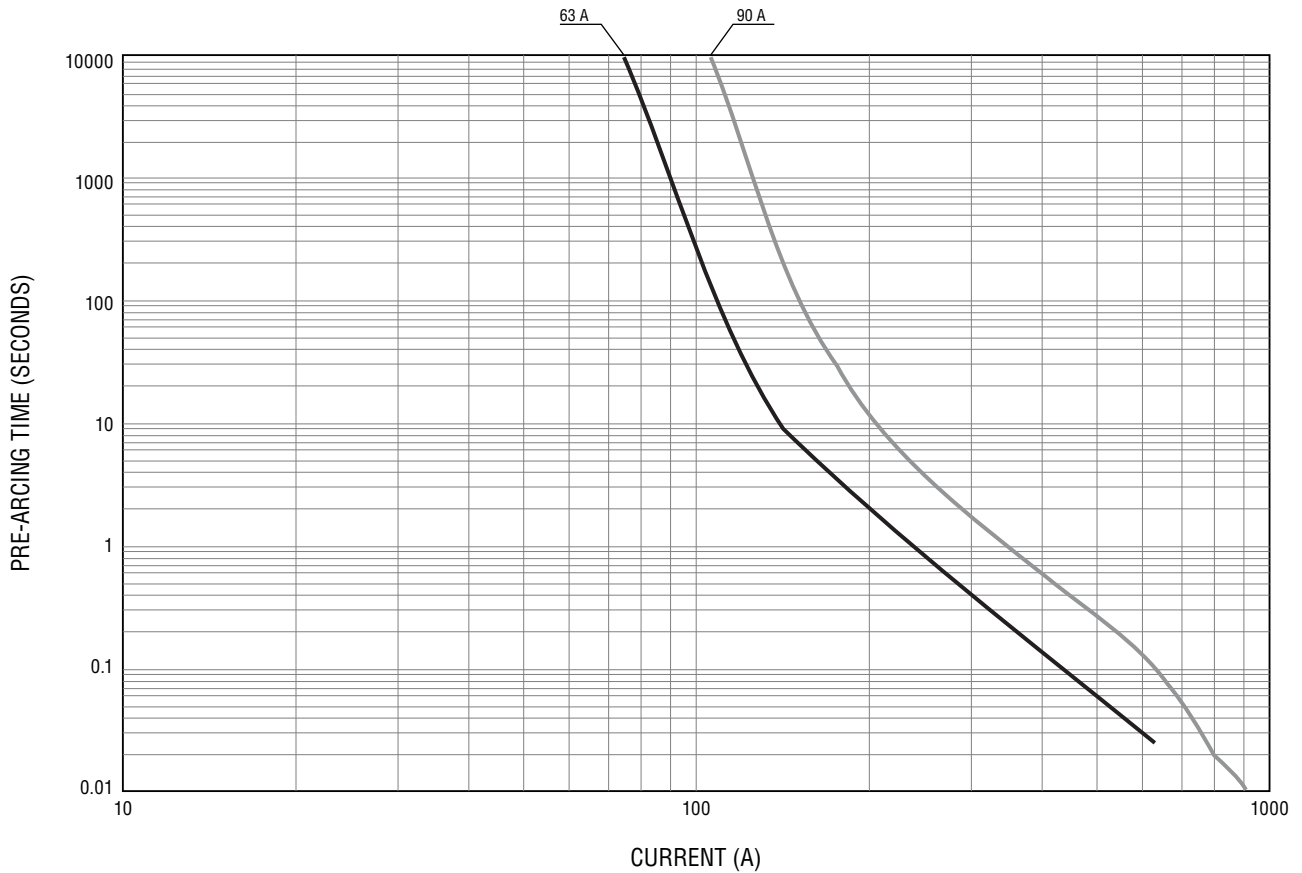
Model	Brass End Cap 1	Brass End Cap 2
PF-GT3-63	<b>PF-GT3</b>	63A 600V
PF-GT3-90		90A 500V

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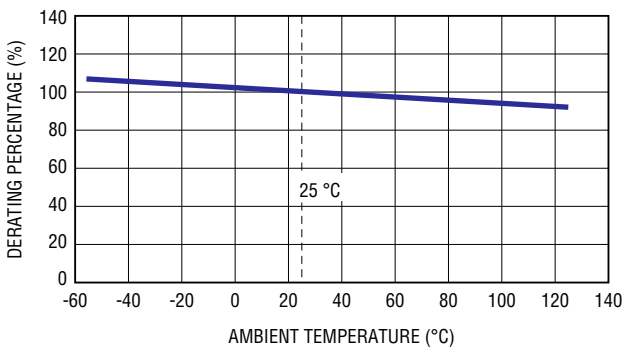
Users should verify actual device performance in their specific applications.

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Average Pre-Arcing Time vs. Current Curves



Current Rating Thermal Derating Curve



How to Order

**PF - G T3 - 63**

POWrfuse™ \_\_\_\_\_

Product Designator \_\_\_\_\_

Series Name \_\_\_\_\_

Mounting Type \_\_\_\_\_

T3 = PCB Mounting, Type 3

Rated Current \_\_\_\_\_

63 - 90 = 63 A - 90 A

Packaging

Model	Quantity
PF-G	60 pcs. / box

REV. 05/22

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