

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: PF-GT3-90

Manufacturer: Bourns Inc.

Package: Radial Bend Cylinder

Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/bourns-inc/pf-gt3-90.html>

Request a Quote:

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Contact Information

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Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.



POWrFuse™ PF-G Series Features

- Designed to UL 248-1 and 248-14 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: c 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

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Electrical Characteristics

Model	Rated Current (A)	Nominal Resistance (Ω)***	Rated Voltage	Interrupting Rating	Nominal I ² t (A ² s)****	Agency Recognition
						c 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	E198545
PF-GT3-90	90	0.00085	500 VAC	1500 A @ 500 VAC	9234	E500949

*** Resistance value measured with ≤ 10 % rated current at 25 °C ambient.

**** Nominal I²t value measured at 10x rated current.

BOURNS®

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www.bourns.com



WARNING
Cancer and Reproductive Harm
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.

"POWrFuse" is a trademark of Bourns, Inc.

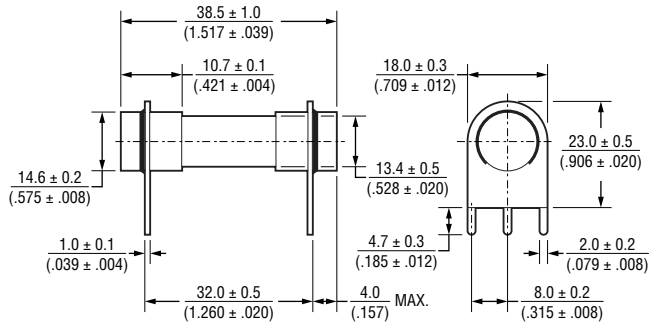
Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

PF-G Series – Industrial Power Fuses

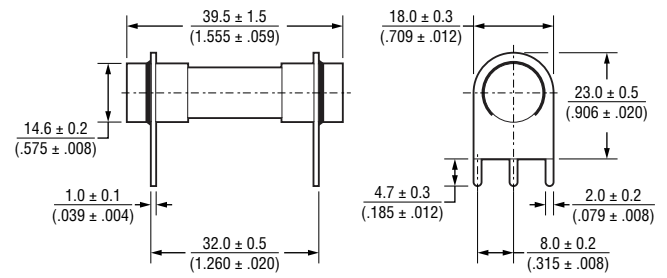
BOURNS®

Product Dimensions (PCB Mounting/T3)

PF-GT3-63



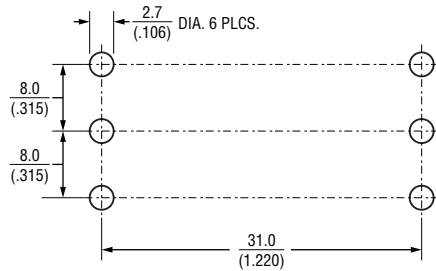
PF-GT3-90



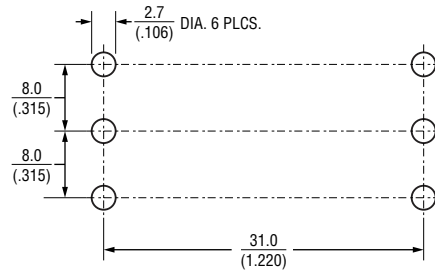
DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

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 ± 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	 PF-GT3	63A 600V
PF-GT3-90		90A 500V

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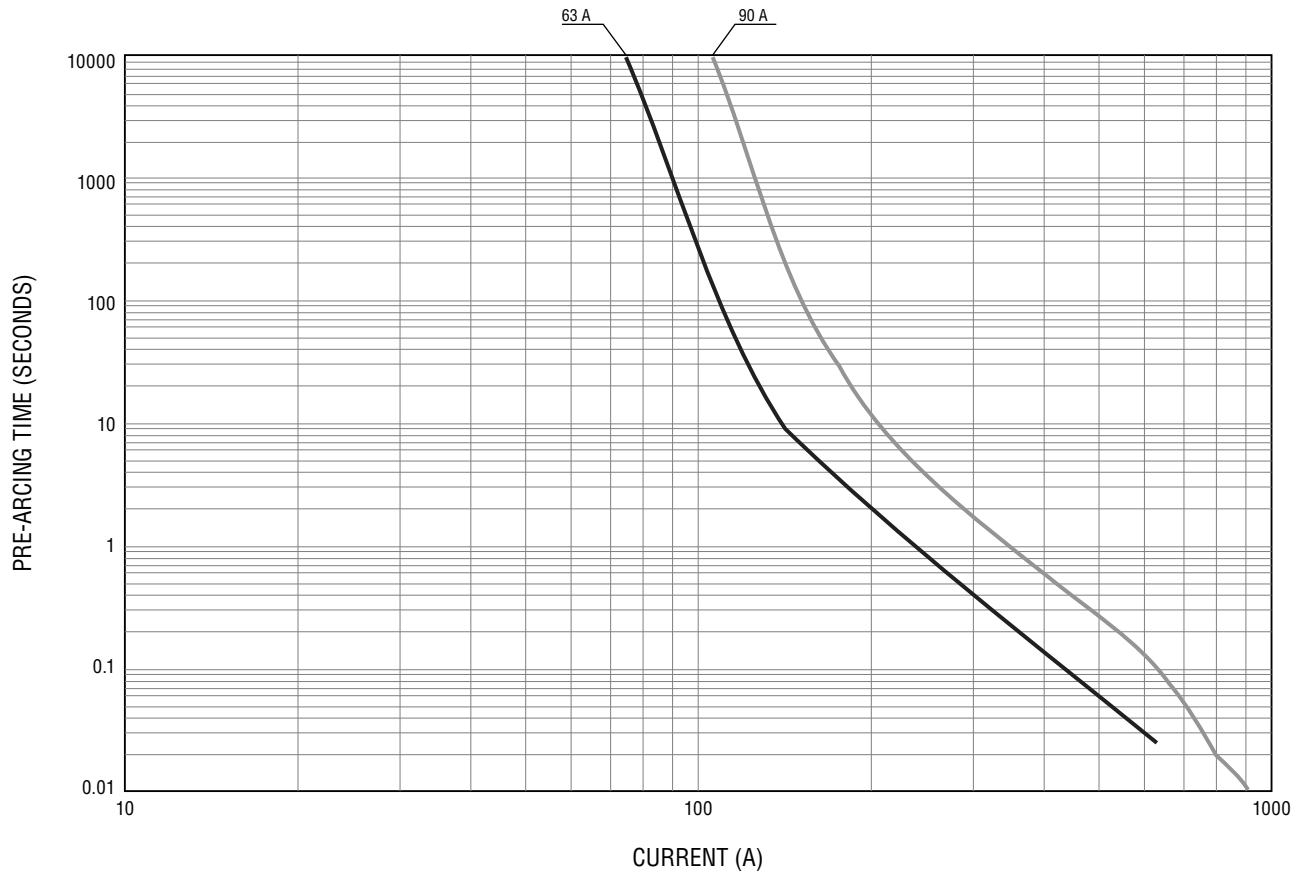
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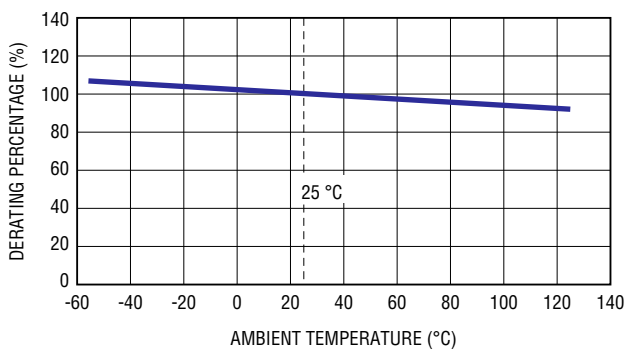
PF-G Series – Industrial Power Fuses

BOURNS®

Average Pre-Arcing Time vs. Current Curves



Current Rating Thermal Derating Curve



How to Order

PF - G T3 - 63

POWrrFuse™ _____
 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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