

POWrFuse™ PF-J Series Features

- Designed to UL 248-14 supplemental standard
- 30~70 A / 500 VAC ratings available
- Up to 2 kA interrupting rating
- RoHS compliant* and halogen free**
- Agency recognition: c UL us

PF-J Series – Industrial Power Fuses

Clearing Time Characteristics for Series

% of Current Rating	Clearing Time at 25 °C	
	Minimum	Maximum
100 %	4 hours	—
200 %	—	120 seconds

Additional Information

Click these links for more information:

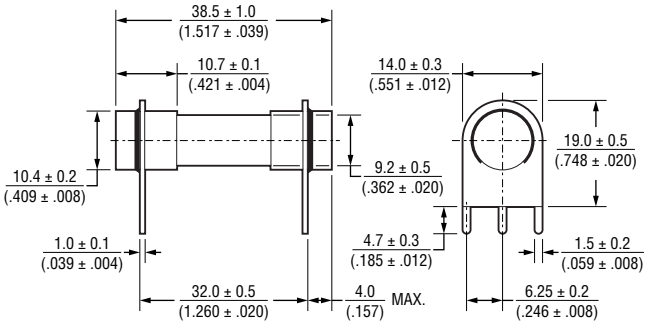
PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

Electrical Characteristics

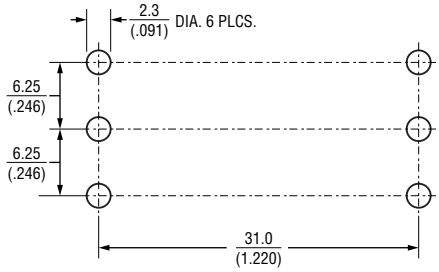
Model	Rated Current (A)	Nominal Resistance (Ω)***	Rated Voltage	Interrupting Rating	Nominal I^2t (A^2s)****	Agency Recognition c UL us
PF-JT3-30	30	0.0028	500 VAC 125 VDC	2000 A @ 500 VAC 2000 A @ 250 VAC 1000 A @ 125 VDC	675	E198545
PF-JT3-40	40	0.0019			2616	
PF-JT3-50	50	0.0014			3975	
PF-JT3-63	63	0.0011			6271	
PF-JT3-70	70	0.0010			11760	

*** Resistance value measured with ≤10 % rated current at 25 °C ambient.
**** Nominal I^2t value measured at 10x rated current.

Product Dimension (PCB Mounting / T3 Type)



Recommended Drilling Pattern



DIMENSIONS: MM (INCHES)

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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.

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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.

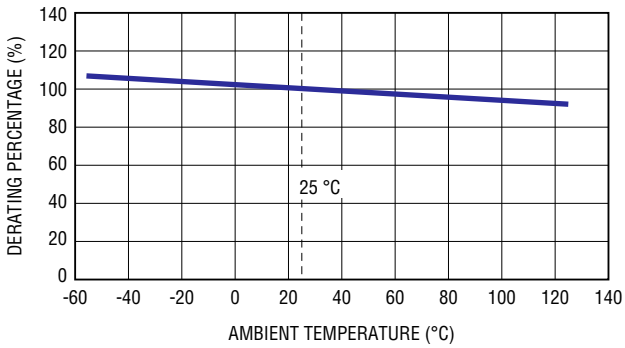
Environmental Characteristics

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

Packaging

Model	Quantity
PF-J	80 pcs. / box

Current Rating Thermal Derating Curve



How to Order

PF - J T3 - 30

POWrFuse™
Product Designator

Series Name

Mounting Type
T3 = PCB Mounting, Type 3

Rated Current
30 - 70 = 30 A - 70 A

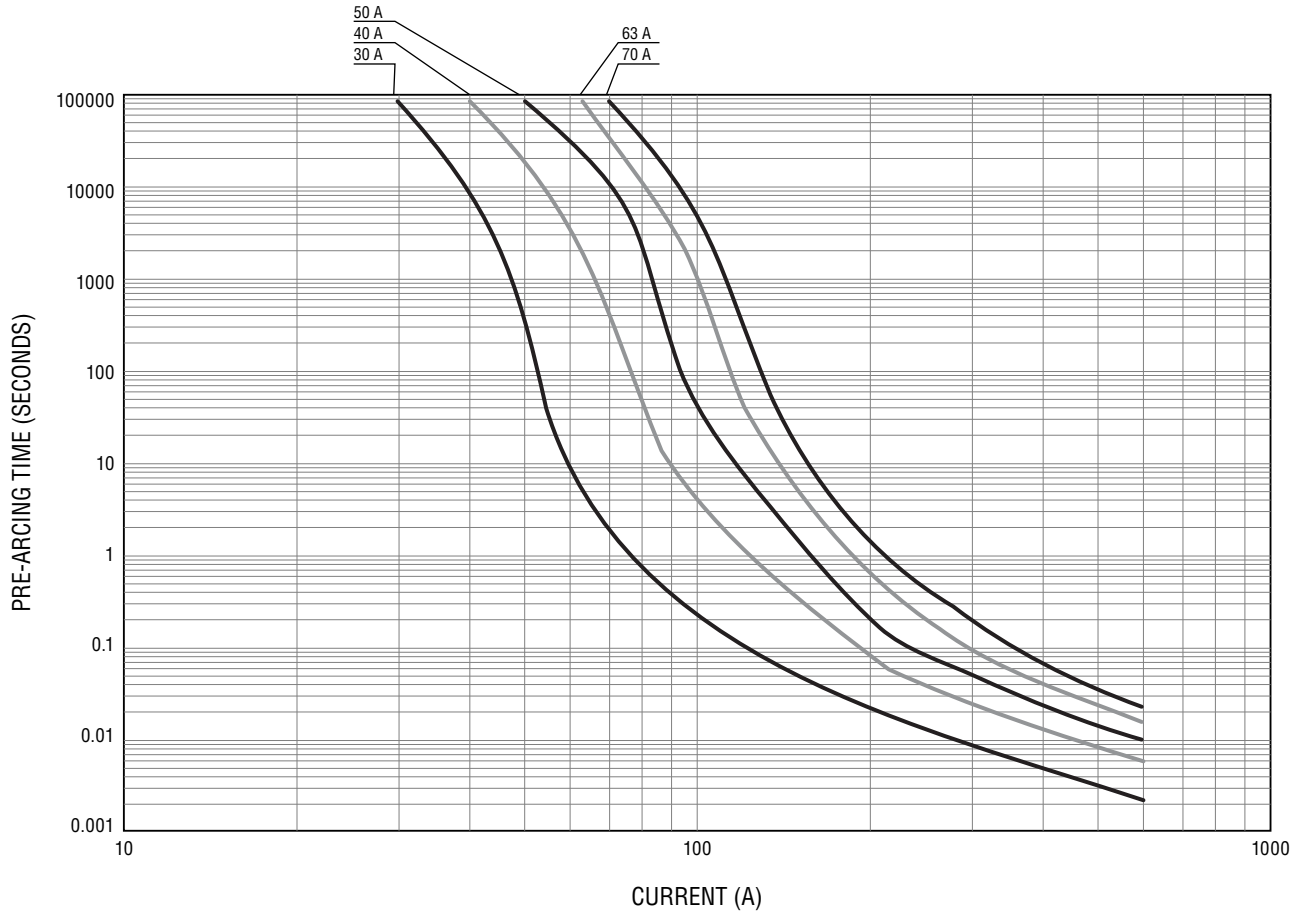
Typical Part Marking

Model	Note	Brass End Cap 1	Brass End Cap 2
PF-JT3-30	30	c UL us PF-JT3	(Note) A 500V
PF-JT3-40	40		
PF-JT3-50	50		
PF-JT3-63	63		
PF-JT3-70	70		

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Average Pre-Arcing Time vs. Current Curves



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