

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: PF-HC1-25

Manufacturer: Bourns Inc.

Package: 5AG, 10mm x 38.1mm

Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/bourns-inc/pf-hc1-25.html>

Request a Quote:

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Contact Information

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WhatsApp: +86-186-8066-5326

Website: <https://antrexco.com>

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-H (gPV) Series Features

- Designed to UL 248-19 and IEC 60269-6 (gPV) photovoltaic fuse standards
- 15-30 A ratings available
- Up to 150 kA interrupting rating
- Available in ferrule or PCB mounting options
- RoHS compliant* and halogen free**
- Agency recognition:  



PF-H (gPV) Series – Photovoltaic Power Fuses

Clearing Time Characteristics for Series

% of Current Rating	Clearing Time at 25 °C	
	Minimum	Maximum
100 %	4 hours	—
113 %	60 minutes	—
135 %	—	60 minutes
145 %	—	60 minutes
200 %	—	4 minutes

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)****	Watts Loss (W)		Agency Recognition	
						@ 70 % I _n	@ 100 % I _n		
PF-HC1-15	15	0.008105	600 VAC 600 VDC	cUL 150 kA @ 600 VAC 50 kA @ 600 VDC TÜV 10 kA @ 600 VDC	51.64	2.2	5.4	E526252	R 50532110
PF-HC1-20	20	0.004905			206.48	2.6	6.3		
PF-HC1-25	25	0.003745			1607.18	3.1	6.9		
PF-HC1-30	30	0.00287			1740	3.5	7.6		
PF-HT1-15	15	0.008105	600 VAC 600 VDC	cUL 150 kA @ 600 VAC 50 kA @ 600 VDC TÜV 10 kA @ 600 VDC	51.64	2.2	5.4	E526252	TA 50532027
PF-HT1-20	20	0.004905			206.48	2.6	6.3		
PF-HT1-25	25	0.003745			1607.18	3.1	6.9		
PF-HT1-30	30	0.00287			1740	3.5	7.6		

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

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

BOURNS®

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www.bourns.com



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.

"POWrFuse" is a trademark of Bourns, Inc.

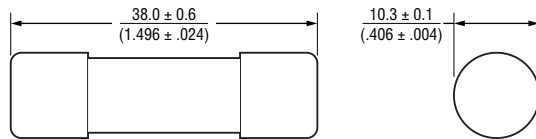
Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

PF-H (gPV) Series – Photovoltaic Power Fuses

BOURNS®

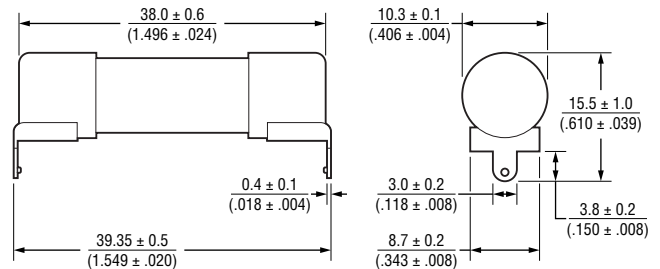
Product Dimensions

Ferrule/C1



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

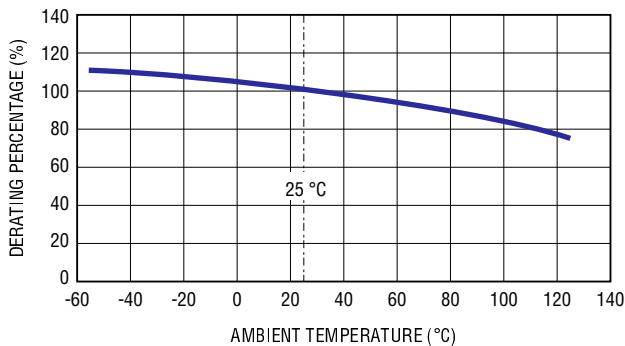
PCB Mounting/T1



Environmental Characteristics

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

Current Rating Thermal Derating Curve



How to Order

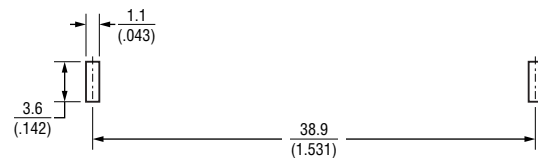
PF - H C1 - 15

POW'rFuse™ _____
 Product Designator _____
 Series Name _____
 Mounting Type _____
 C1 = Ferrule, Type 1
 T1 = PCB Mounting, Type 1
 Rated Current _____
 15 - 30 = 15 A - 30 A

Packaging

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

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

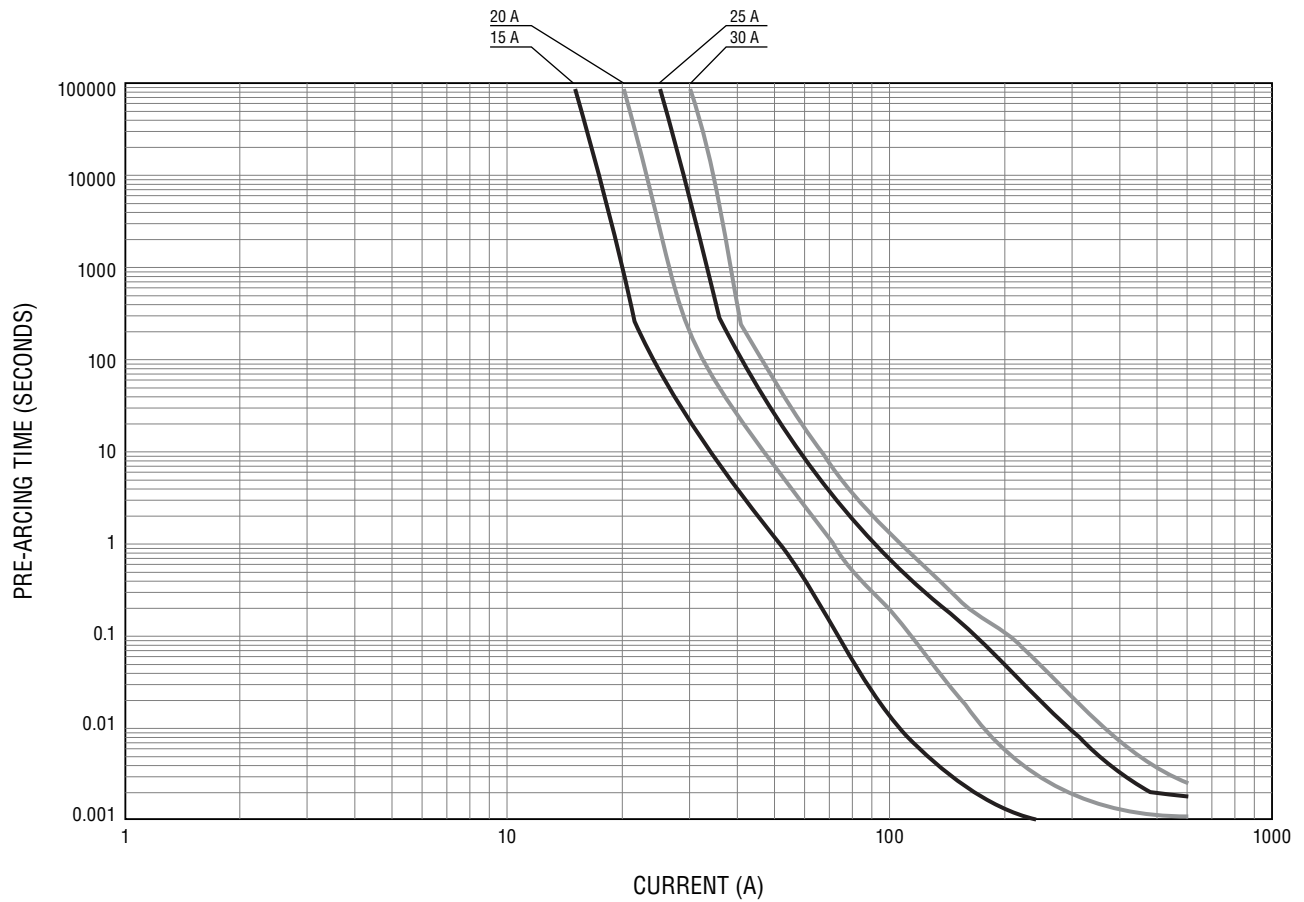
Model	Note	Ink Color	Marking
PF-HC1-15	15	Black	
PF-HC1-20	20		
PF-HC1-25	25		
PF-HC1-30	30		
PF-HT1-15	15	Black	
PF-HT1-20	20		
PF-HT1-25	25		
PF-HT1-30	30		

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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Average Pre-Arcing Time vs. Current Curves



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