PC-Tron

Subminiature radial leaded fast-acting fuses

RoHS

Product features

- Radial leaded, fast-acting thru-hole fuse
- Ideal for high voltage DC applications
- Board washable
- Optional mounting socket available (PCS)
- Available in different lead configurations

AC Time-Current Characteristics	
% of Amp Rating	Opening Time
100%	4 hours minimum
200%	10 second maximum

Agency information

- cURus Recognized: E19180

Ordering information

- Specify packaging code prefix, product and option code suffix

BK PCB- 1/2 -R

Packaging Code Prefix
Fuse Series
Amp Rating
Option Code Suffix

DC Application

The PC-Tron subminiature fuse is UL Recognized for DC supplementary overcurrent protection to provide individual protection for components or internal circuits in equipment. Suitability for a specific application is dependent on time constants and capacitance values. It is the responsibility of the customer to evaluate the information provided for applicability to their particular application.

- **PCS Mounting Socket (RoHS compliant):** Available as option. Specify catalog number BK/PCS (100 in a polybag) and short fuse lead length — PCC or PCE

Specifications

Catalog Number	Lead Length	AC Voltage Rating	AC Interrupting	DC Voltage Rating	DC Interrupting Min.	DC Interrupting Max.
PCB-1/2, 3/4, 1, 1-1/2, 2, 2-1/2	Full - 0.750" (straight)	250V	50A@250V - 10kA@125V	450V	300	5900A
PCB-3	Full - 0.750" (straight)	250V	50A@250V	450V	300	4400A
PCB-4	Full - 0.750" (straight)	-	-	450V	300	2500A
PCC-1/2, 3/4, 1, 1-1/2, 2, 2-1/2	Short 0.100" (straight)	250V	50A@250V - 10kA@125V	450V	300	5900A
PCC-3	Short 0.100" (straight)	250V	50A@250V - 10kA@125V	450V	300	4400A
PCC-4	Short 0.100" (straight)	-	-	450V	300	2500A
PCD-5	Full - 0.750" (straight)	125V	10kA@125V	400V	300	1000A
PCE-5	Short 0.100" (straight)	125V	10kA@125V	400V	300	1000A
PCF-1/2, 3/4, 1, 1-1/2, 2, 2-1/2	0.475"	250V	50A@250V - 10kA@125V	450V	300	5900A
PCF-3	0.475"	250V	50A@250V - 10kA@125V	450V	300	4400A
PCG-5	0.475"	125V	10kA@125V	400V	300	1000A
PCH-1/2, 3/4, 1, 1-1/2, 2, 2-1/2	0.125"	250V	50A@250V - 10kA@125V	450V	300	5900A
PCH-3	0.125"	250V	50A@250V - 10kA@125V	450V	300	4400A
PCH-4	0.125"	-	-	450V	300	2500A
PCI-5	0.125"	125V	10kA@125V	400V	300	1000A

Device designed to carry rated current for four hours minimum. An operating current of 80% or less of rated current is recommended, with further derating required ambient temperatures.

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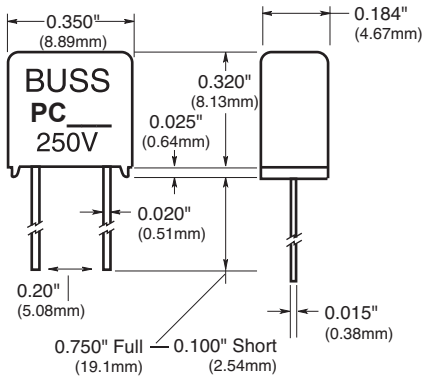
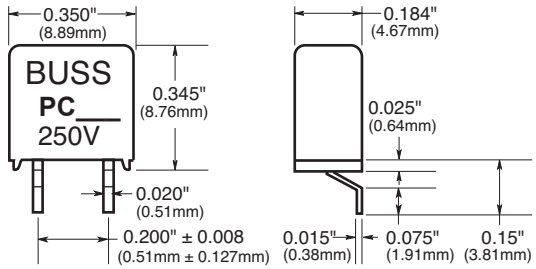
Dimensions- inches/mm

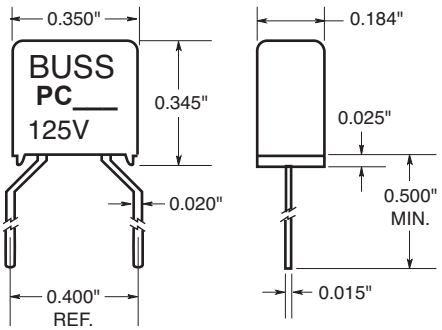
(PCB, PCD)



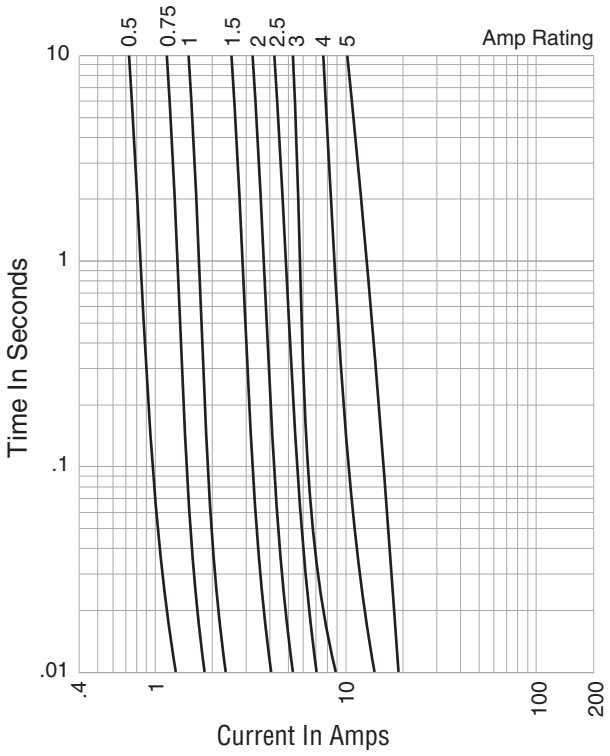
(PCH, PCI)



(PCF, PCG)



Time-Current Characteristic Curves–Average Melt



Max. Total Clearing I^2t (Amps² Sec.)

Amp Rating	125Vac		250Vac	
	50A	1,000A	10,000A	35A & 50A
½A	0.006	0.006	0.006	0.006
¾A	0.016	0.016	0.016	0.016
1A	0.020	0.020	0.020	0.020
1-½A	0.090	0.090	0.090	0.090
2A	0.200	0.200	0.200	0.200
2-½A	0.300	0.300	0.300	0.300
3A	0.750	0.750	0.750	0.750
5A	5.0	5.0	5.0	—

Note: Power Factor > 0.90.

Packaging Code	
Packaging Code Prefix	Description/Quantity
Blank	5 fuses
BK	100 fuses in a carton
TR*	500 fuses on Tape-and-Reel

Option Code	
Option Code Suffix	Description
-R	RoHS Compliant

* Only for PCB and PCD

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