

### Description

- 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

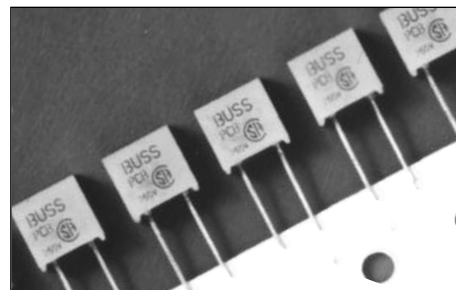
- UL Recognized: E19180
- CSA: 42731

### Ordering

- Specify packaging, product, and option code (i.e., BK/PCB-1/2-R)

### 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.



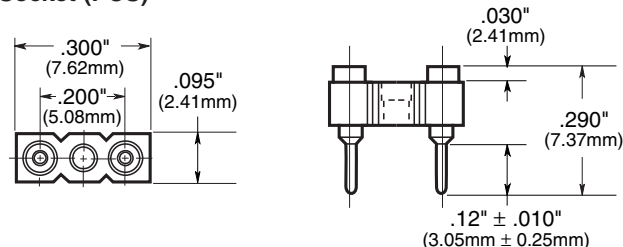
### Dimensions mm/(inches)

**Dimensional Data:** All tolerances  $\pm .005"$   
 $\pm .13 \text{ mm}$

### Mounting Socket (RoHS compliant)

- Available as option. Specify catalog number BK/PCS (100-in) and short fuse lead length — PCC or PCE

### Socket (PCS)



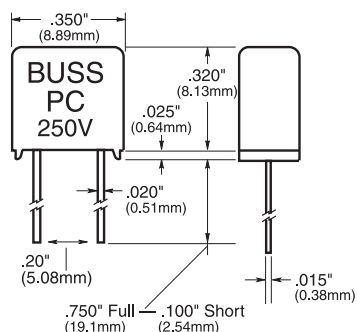
## SPECIFICATIONS

| Product Code / Amp Rating          | Lead Length              | Voltage Rating AC | AC Interrupting           | Voltage Rating DC | DC Interrupting |       |
|------------------------------------|--------------------------|-------------------|---------------------------|-------------------|-----------------|-------|
|                                    |                          |                   |                           |                   | Min.            | Max.  |
| PCB - 1/2, 3/4, 1, 1-1/2, 2, 2-1/2 | Full - 0.750" (straight) | 250V              | 50A @ 250V<br>10kA @ 125V | 450V              | 300             | 5900A |
| PCB - 3                            | Full - 0.750" (straight) | 250V              | 50A @ 250V                | 350V              | 300             | 4400A |
| PCC - 1/2, 3/4, 1, 1-1/2, 2, 2-1/2 | Short 0.100" (straight)  | 250V              | 50A @ 250V<br>10kA @ 125V | 450V              | 300             | 5900A |
| PCC - 3                            | Short 0.100" (straight)  | 250V              | 50A @ 250V<br>10kA @ 125V | 350V              | 300             | 4400A |
| PCD - 5                            | Full - 0.750" (straight) | 125V              | 10kA @ 125V               | 250V              | 300             | 4200A |
| PCE - 5                            | Short 0.100" (straight)  | 125V              | 10kA @ 125V               | 250V              | 300             | 4200A |
| PCF - 1/2, 3/4, 1, 1-1/2, 2, 2-1/2 | 0.475"                   | 250V              | 50A @ 250V<br>10kA @ 125V | 450V              | 300             | 5900A |
| PCF - 3                            | 0.475"                   | 250V              | 50A @ 250V<br>10kA @ 125V | 350V              | 300             | 4400A |
| PCG - 5                            | 0.475"                   | 125V              | 10kA @ 125V               | 250V              | 300             | 4200A |
| PCH - 1/2, 3/4, 1, 1-1/2, 2, 2-1/2 | 0.125"                   | 250V              | 50A @ 250V<br>10kA @ 125V | 450V              | 300             | 5900A |
| PCH - 3                            | 0.125"                   | 250V              | 50A @ 250V<br>10kA @ 125V | 350V              | 300             | 4400A |
| PCI - 5                            | 0.125"                   | 125V              | 10kA @ 125V               | 250V              | 300             | 4200A |

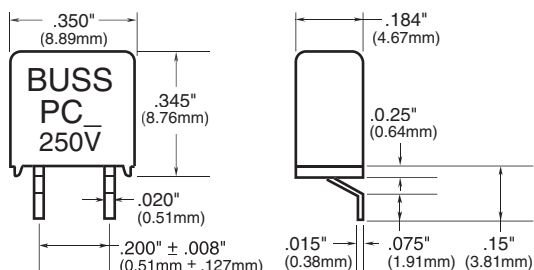
Device designed to carry rated current for four hours minimum. An operating current of 80% or less of rated current is recommended, with further derating required at elevated ambient temperatures.

**Dimensional Data: All tolerances**  $\pm .005"$   
 $\pm .13 \text{ mm}$

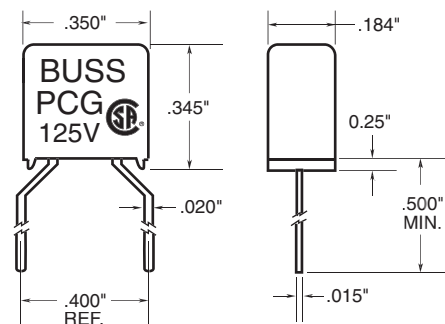
**Standard Fuse (PCB, PCD)**



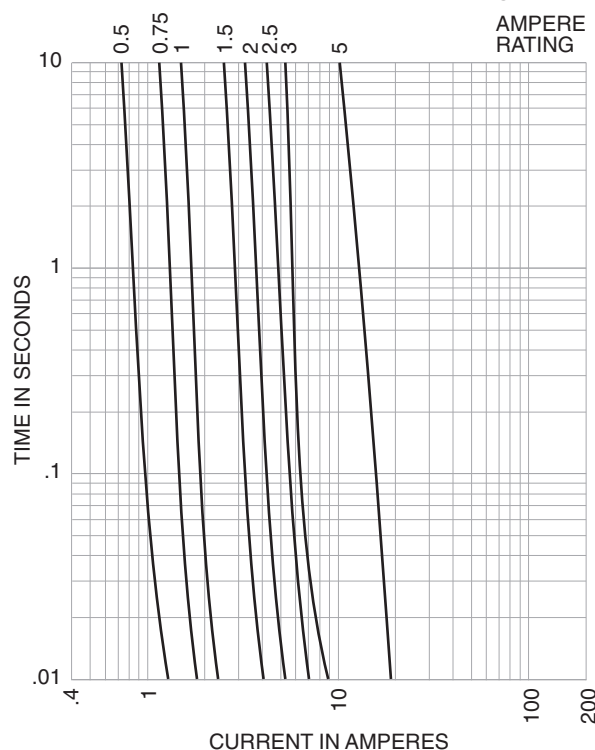
**Dimensional Data (PCH, PCI)**



**Dimensional Data (PCF, PCG)**



**Time-Current Characteristic Curves—Average Melt**



**Max. Total Clearing I²t (Amps² Sec.)**

| Amp Rating | Volts AC  |        |         |           |
|------------|-----------|--------|---------|-----------|
|            | 125 Volts | 1,000A | 10,000A | 250 Volts |
| 1/2A       | 0.006     | 0.006  | 0.006   | 0.006     |
| 3/4A       | 0.016     | 0.016  | 0.016   | 0.016     |
| 1A         | 0.020     | 0.020  | 0.020   | 0.020     |
| 1-1/2A     | 0.090     | 0.090  | 0.090   | 0.090     |
| 2A         | 0.200     | 0.200  | 0.200   | 0.200     |
| 2-1/2A     | 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 > .90.

**PACKAGING CODE**

| Packaging Code | Description                          |
|----------------|--------------------------------------|
| Blank          | 5 pieces of fuses                    |
| BK             | 100 pieces of fuses in a carton      |
| TR*            | 500 pieces of fuses on tape and Reel |

\* Short lead length not available in tape and reel packaging

**OPTION CODE**

| Option Code | Description            |
|-------------|------------------------|
| -R          | RoHS Compliant Version |

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