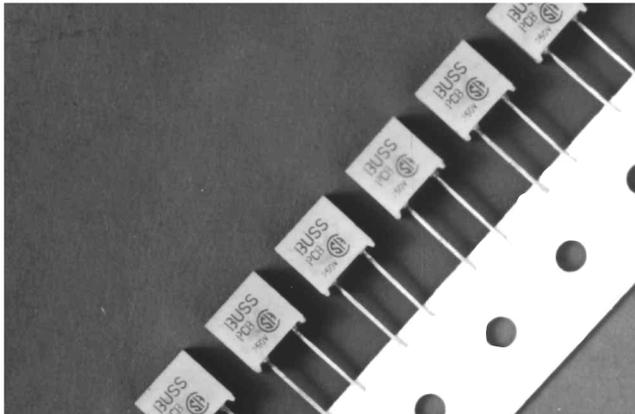


Printed Circuit Board Fuses

PC-Tron® Subminiature Fuses

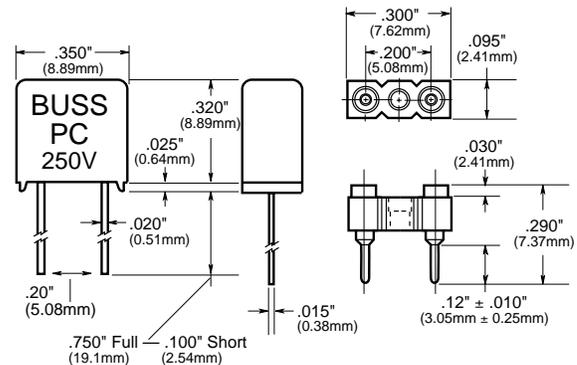
PC-Tron® Series



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

Standard Fuse (PCB, PCD)

Socket (PCS)



CATALOG SYMBOL: PCB, PCC, PCF, PCH, PCD, PCE, PCG & PCI
PC-TRON SUBMINIATURE FUSES

Electrical Ratings

Catalog Symbol	Amps	VAC	AC Interrupting	VDC	DC Interrupting
PCB, PCC, PCF & PCH	0.5 - 2.5	250	50A at 250V 10kA at 125V	450	300 - 5900A
PCB, PCC, PCF & PCH	2.6 - 3.0	250	50A at 250V 10kA at 125V	350	300 - 4400A
PCD, PCE, PCG & PCI	5.0	125	10kA at 125V	250	300 - 4200A

Time-Current Characteristics

Carry 100% of rating for 4 hrs. minimum. Open at 200% of rating in 10 sec. maximum.
(Non-Time-Delay. . .extremely low let-through)

Agency Approvals

PCB, PCC, PCD, PDE, PCF, PCG, PCH, and PCI — U.L. Recognized; File E19180, Guide JDYX2.

PCB, PCC, PCD, PCF, PCG, PCH, PCI, and PDE — CSA Certified; File 42731, Class 1421-01.

Dimensions and Material

Body: 0.350" x 0.350" x 0.184"; High temperature plastic.
Leads: 0.020" x 0.015" x 0.100" (short) 0.750" (full) (tape & reel) (Tin-plated copper).

Mounting Socket

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

Cold Resistance Data

(10% Rated Current) Nominal Value

1/2A — 1.4Ω	3/4A — .72Ω	1A — .43Ω	1-1/2A — .24Ω
2A — .15Ω	2-1/2A — .10Ω	3A — .072Ω	5A — .023Ω

Packaging & Ordering Information:

Standard Fuse

Packaging Code	PC Catalog Symbol	Ampere Rating
Blank—Std. Pack (5-in)	B - Full lead legh. (250V) (1/2-3A)	(1/2, 3/4, 1, 1-1/2, 2, 2-1/2, 3, and 5)
BK/ Bulk (100-in)	C - Short lead legh. (250V) (1/2-3A)	(5A available only as PCD, PCE or PCG)
TR/ Tape & Reel (500-in)	D - Full lead legh. (125V) (5A)	
	E - Short lead legh.* (125V) (5A)	

Socket

BK/ Catalog Symbol	PCS Catalog Symbol
Packaging Code Bulk Pack (100-in)	

*Note—Short lead length not available in tape-and-reel packaging.

Note—Hi-Rel solderability applications should specify solder-dipped leads by adding -SD suffix to part number.

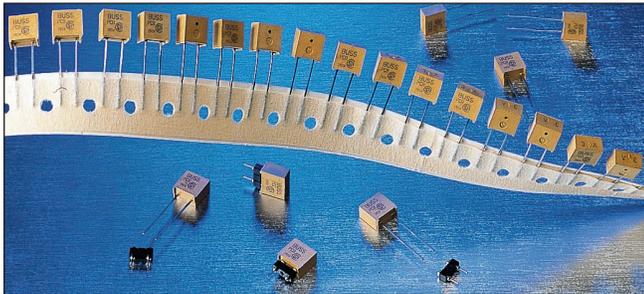
The radial lead package of the PC-Tron® is ideal for auto insertion using standard industry equipment. The 0.2" lead spacing aids ease of design. Standard wave soldering techniques will not affect the electrical performance of this unique fuse. Due to its molded construction, the device is unaffected by the board washing process. These features greatly reduce the product installation cost while increasing reliability.

The PC-Tron® is available in a wide variety of options offering flexibility to the design engineer. Available in standard pack (5-in), bulk (100-in), and tape and reel. In addition, the PC-Tron® may be ordered with short (approximately 0.10") or long (0.75") lead length. The tape and reel comes standard at 0.75".

The short lead length may be used with the optional socket. The auto insertable socket allows field replacement of the PC-Tron® subminiature fuse.

CE logo denotes compliance with European Union Low Voltage Directive (50-1000 VAC, 75-1500 VDC). Refer to BIF document #8002 or contact Bussmann Application Engineering at 314-527-1270 for more information.

PC-Tron® Subminiature Fuses



PCB, PCC, PCD, PCE, PCF, PCG, PCH, PCI

Fast-Acting

Physical Size and Construction:

Body: 0.350" × 0.350" × 0.184"; High temperature plastic.

Leads: 0.020" × 0.015" × 0.100" (short) 0.750" (full); (tape & reel) Tin-plated copper.

Agency Approvals: CE

PCB, PCC, PCD, PDE, PCF, PCG, PCH, and PCI — U.L. Recognized; File E19180, Guide JDYX2.

PCB, PCC, PCD, PCF, PCG, PCH, PCI, and PDE — CSA Certified; File 42731, Class 1421-01

General Information:

The PC-Tron® subminiature fuse offers short-circuit performance. At 250 Vac, the ½ to 3 amp PC-Tron can safely interrupt 50 amperes; at 125 Vac, the ½ to 5 amp versions can interrupt 10,000 amperes. This high interrupting capacity makes the PC-Tron subminiature fuse ideal for line-side protection of power supplies.

Packaging & Ordering Information:

Standard Fuse

	PC		Socket	
	BK/	PCS		
Packaging Code	Catalog Symbol	Ampere Rating	Packaging Code	Catalog Symbol
Blank—Std. Pack (5-in)	B - Full lead lgth. (250V) (½-3A)	(½, ¾, 1, 1½, 2, 2½, 3, and 5) (5A available only as PCD, PCE, PCG)	Bulk Pack (100-in)	
BK/ Bulk (100-in)	C - Short lead lgth.* (250V) (½-3A)			
TR/ Tape & Reel (500-in)	D - Full lead lgth. (125V) (5A)			
	E - Short lead lgth.* (125V) (5A)			
	F - 0.4" Lead spacing (½-3A)			
	G - 0.4" Lead spacing (5A)			
	H - ½-3A			
	I - 5A			

*Short lead length not available in tape-and-reel packaging.

Note—Hi-Rel solderability applications should specify solder-dipped leads by adding -SD suffix to part number.

Electrical Characteristics

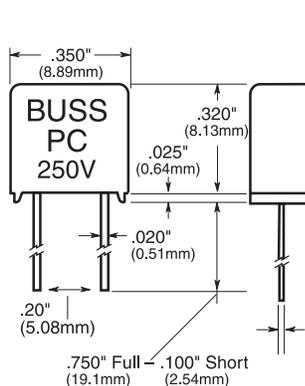
Catalog Symbol	Current Rating	Vac	AC Interrupting	Vdc	DC Interrupting
PCB, PCC, PCF & PCH	0.5 - 2.5	250	50A at 250V 10 kA at 125V	450	300 - 5900A
PCB, PCC, PCF & PCH	2.6 - 3.0	250	50A at 250V 10 kA at 125V	350	300 - 4400A
PCD, PCE, PCG & PCI	5.0	125	10 kA at 125V	250	300 - 4200A

BIF document: 2034

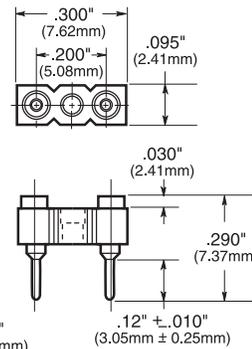
Dimensions - mm (inches)

All tolerances: ±.005"
±.13mm

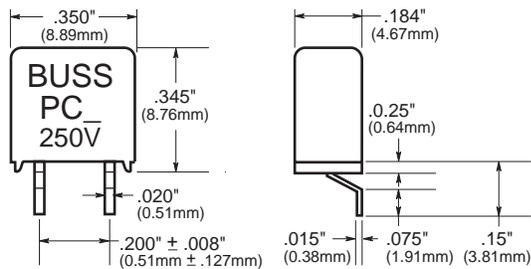
Standard Fuse (PCB, PCD)



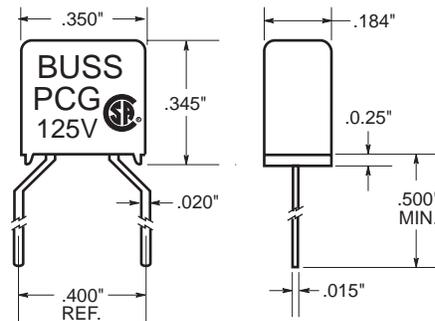
Socket (PCS)



Surface Mount Fuse (PCH, PCI)



Fuse with 0.4" Lead Spacing (PCF, PCG)



Time-Current Characteristics:

Carry 100% of rating for 4 hrs. minimum. Open at 200% of rating in 10 sec. maximum. (Non-Time-Delay. . .extremely low let-through)

