

Fast Acting High Current Fuse

PB07 Series



Description

- Fast Acting High current brick fuse
- Surface mount design to save space
- Ceramic Square body with end cap design
- Designed to UL248-1/14

Electrical Characteristics

Amp Rating	1.0In	2.5 In
40A-70A	4 hours min.	<10s

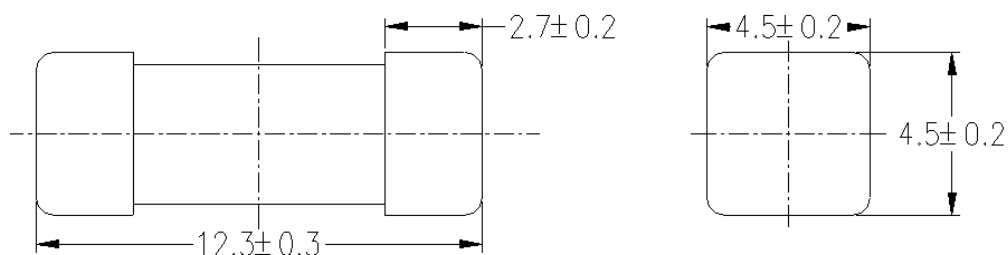
Specifications

Specification						
Part No.	Rated Voltage	Rated Current	Breaking Capacity	Typical Cold Resistance	Typical Voltage Drop	Typical Pre-Arcing I ² t *
	Vdc	A	A	mΩ	(mV)	(A ² Sec)
PB07040	72 85 **	40	1000	1.2	67	1350
PB07050		50		1.0	77	2050
PB07060		60		0.79	72	3200
PB07070		70		0.7	80	4800

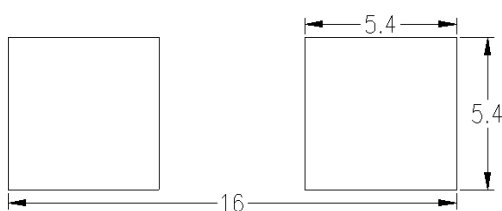
* Typical Pre-arcing I²t are measured at 10In Current

** Internal qualification for 85Vdc, UL Approval is pending

Dimensions (mm)



Recommended Pad Layout (mm)



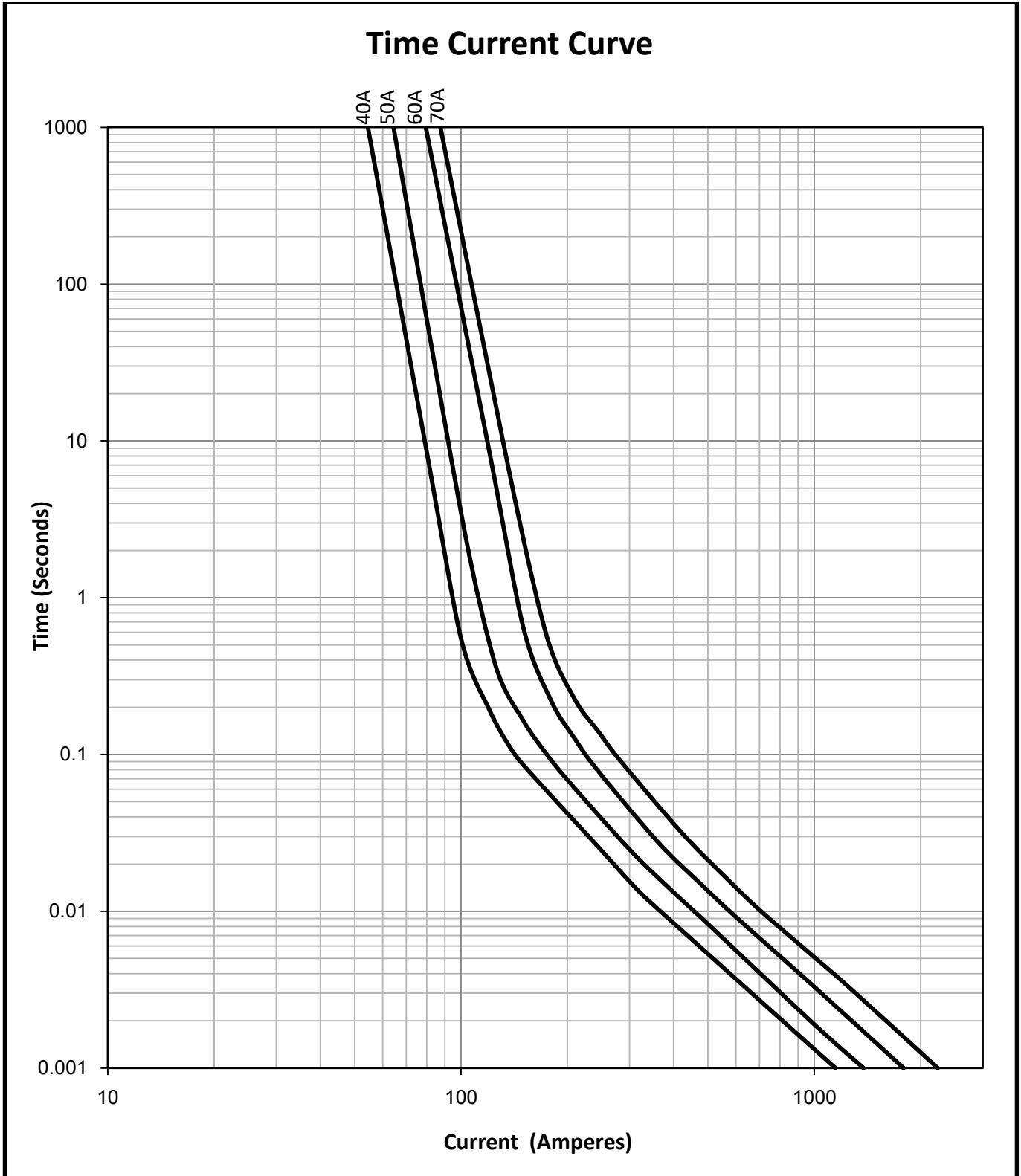
Soldering Characteristics

Reflow Soldering
 Temperature: 260° C
 Time: 30 Seconds Maximum

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Time-Current Curves

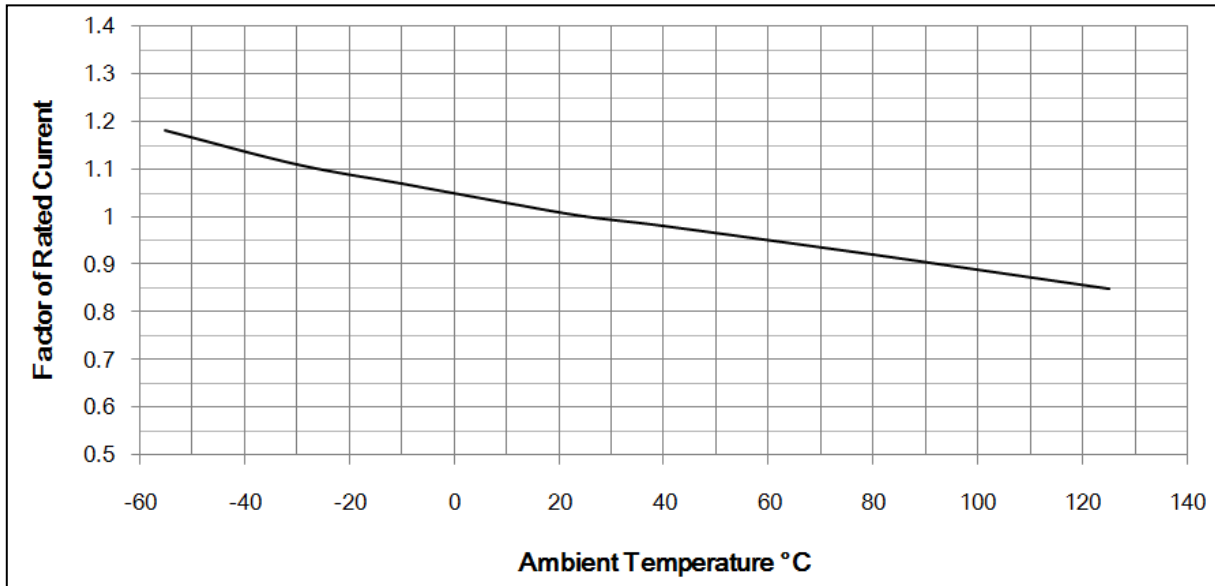


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Temperature derating curve

- Normal Operating Temperature: $25^{\circ}\text{C} \pm 2^{\circ}\text{C}$
- Operating Temperature: -55°C to 125°C with proper correction factor applied.
- Chart of correction factor



Note: Derating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

Package and Minimum order QTY

1000pcs fuses in tape (width 24mm) and reel (dia. 13inch)