

Fast Acting High Current Fuse PB07 Series





Description

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

Electrical Characteristics

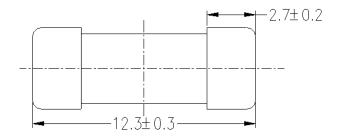
Amp Rate	1.0 ln	2.5 ln
30A-100A	4 hour min.	<10s

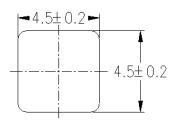
Specifications

Specification						
Part No.	Rated Voltage	Rated Current	Breaking Capacity	Typ. Cold Resistance	Typical Voltage Drop	Typical Pre- Arcing I ² t *
	Vdc	А	А	mΩ	(mV)	(A ² Sec)
PB07030	72 . 85**	30		1.57	70	820
PB07040		40		1.20	67	1350
PB07050		50		1.00	77	2050
PB07060		60	1000	0.79	72	3200
PB07070		70		0.68	80	4800
PB07080	72	80		0.56	70	6000
PB07100		100		0.41	63	10500

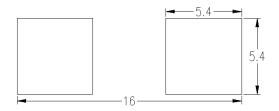
^{*} Typical Pre-arcing I2t are measured at 10In Current

Dimensions (mm)





Recommended Pad Layout (mm)



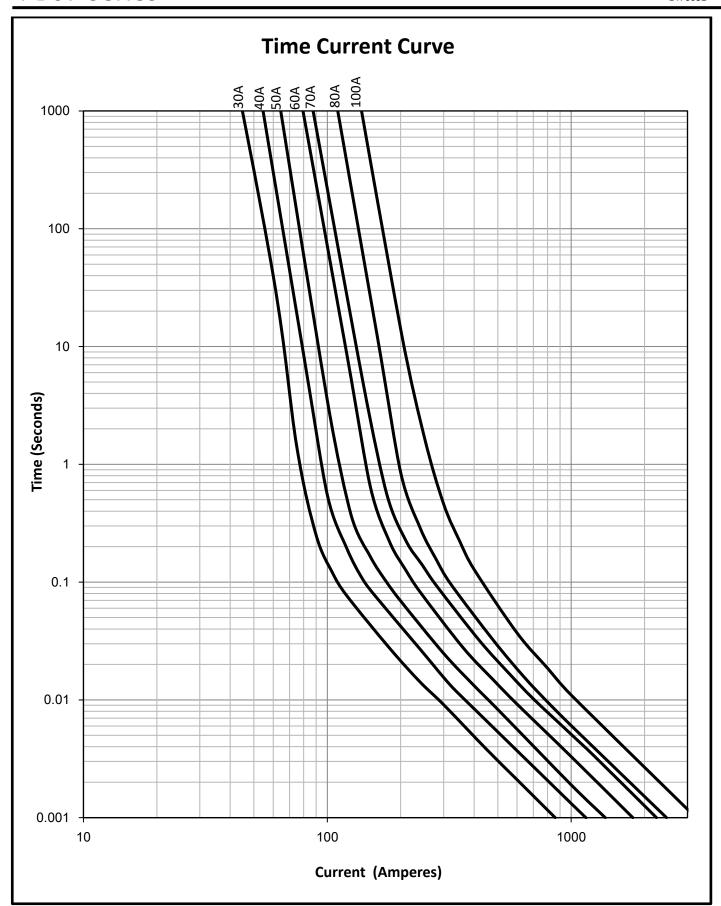
^{**} Internal qualification for 85Vdc



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Soldering Profile

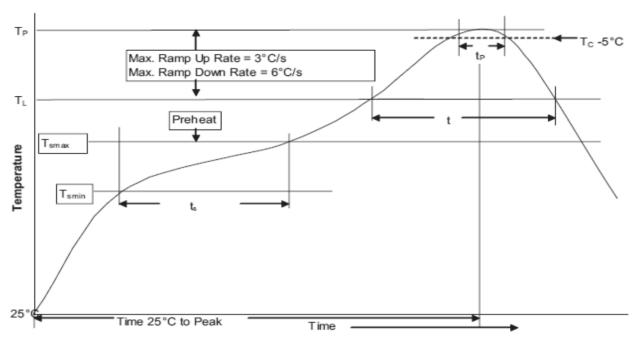
Hand Soldering (not recommended)

- Maximum tip temperature: 350°C
- Maximum soldering time: 5 Seconds Maximum

Infrared Reflow

• Temperature: 260°C

• Time: 30 Seconds Maximum



Profile Feature		Lead(Pb) free solder	
Preheat and soak	 Temperature min.(T_{smin}) 	150°C	
	Temperature max. (T _{smax})	200°C	
	Time (T _{smin} to T _{smax}) (ts)	60 - 120 Seconds	
Average ramp up rate T _{smax} to	3°C / Second Max.		
Liquidous temperature (T _L)	217℃		
Time at liquidous (t∟)		60 - 150 Seconds	
Peak package body temperatu	260°C		
Time (t _P) within 5°C of the spe (T _C)	30 Seconds		
Average ramp-down rate (T _P to T _{smax})		6°C / Second Max.	
Time (25°C to Peak Temperate	8 Minutes Max.		

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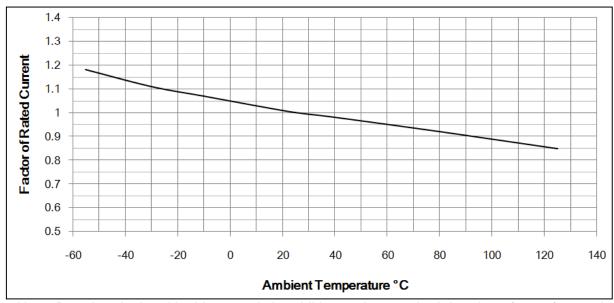
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Temperature rerating curve

- Normal Operating Temperature: 25 ℃ ± 2 ℃
- Operating Temperature: -55[°]C to 125[°]C with proper correction factor applied.
- Chart of correction factor



Note: Rerating 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)