

# Fast Acting High Current Brick Fuse

## A103001 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

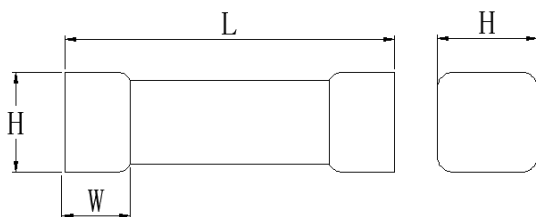
Amp Rate	1.0In	2.0 In
40A-60A	4 hour min.	<60s

### Specifications

Specification						
Part No.	Rated Voltage	Rated Current	Breaking Capacity <sup>1</sup>	Typ. Cold Resistance	Typical Voltage Drop (mV)	Typical Pre-Arcing I <sup>2</sup> t
	(DC)	(A)		mΩ		(A <sup>2</sup> Sec) <sup>2</sup>
A103001.40	63V	40	800A	1.20	155	1400
A103001.50		50		0.97	120	2200
A103001.60		60		0.85	95	4000

1. DC Interrupting Rating (Measured at designated voltage, time constant of less than 50 microseconds, battery source)
2. Typical Pre-arcing I<sup>2</sup>t are measured at 10In Current, DC battery bank, but not exceeding the interrupting rating, time constant of calibrated circuit less than 50 microseconds)

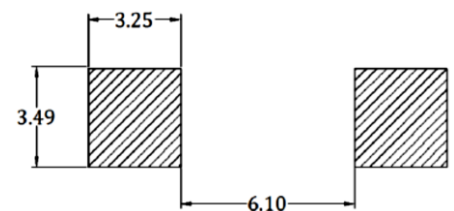
### Dimension



Rating	L	W	H
40A-60A	10.0±0.30	1.7±0.10	3.15±0.10

### Recommended Pad Layout

1. Recommend trace thickness is 3oz; the minimum trace width is 22mm;
2. Recommend solder paste thickness is 0.15mm;

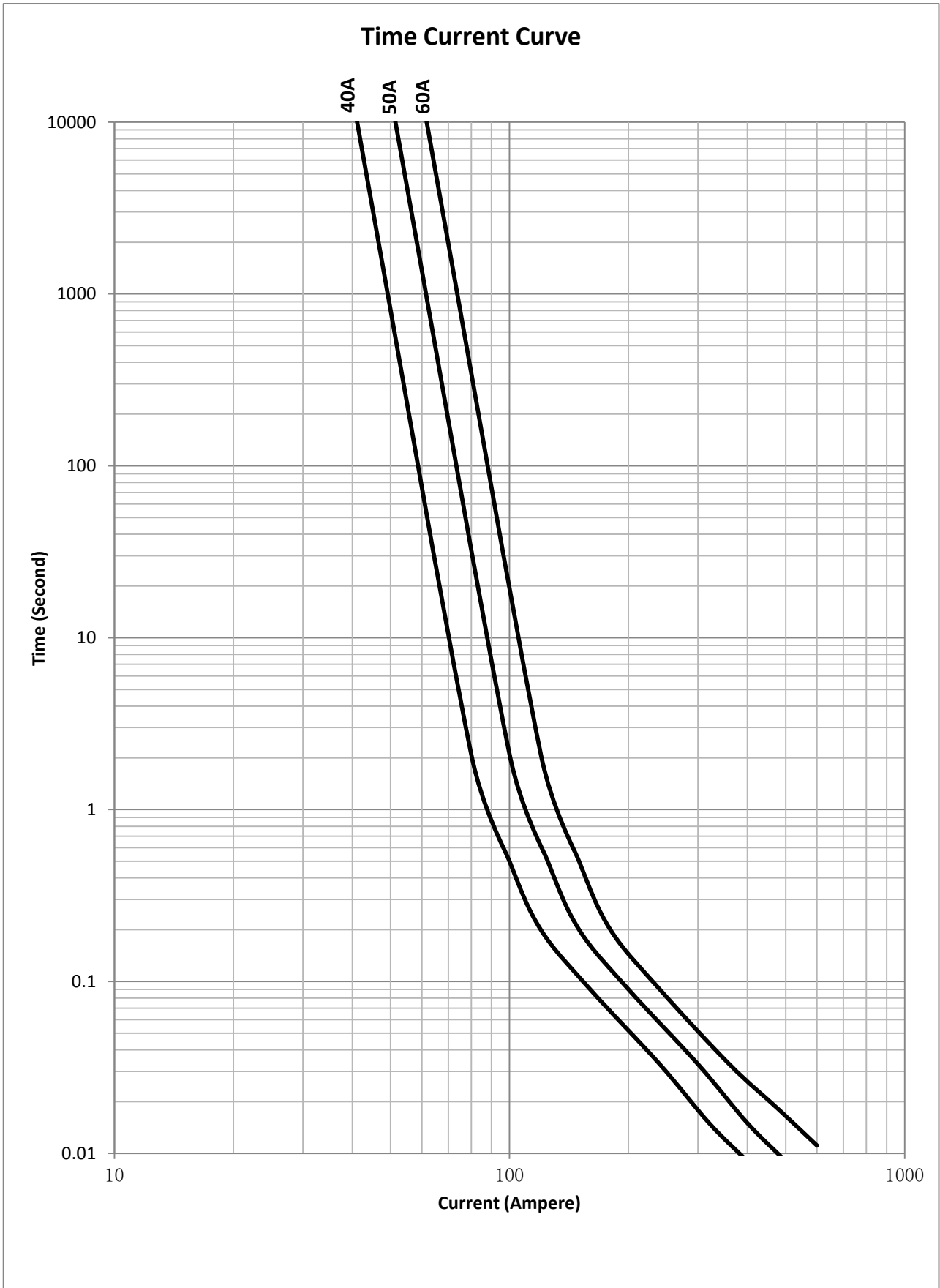


### Soldering Characteristics

#### Reflow Soldering

- Temperature: 260° C
- Time: 30 Seconds Maximum

# Fast Acting High Current Brick Fuse A103001 Series

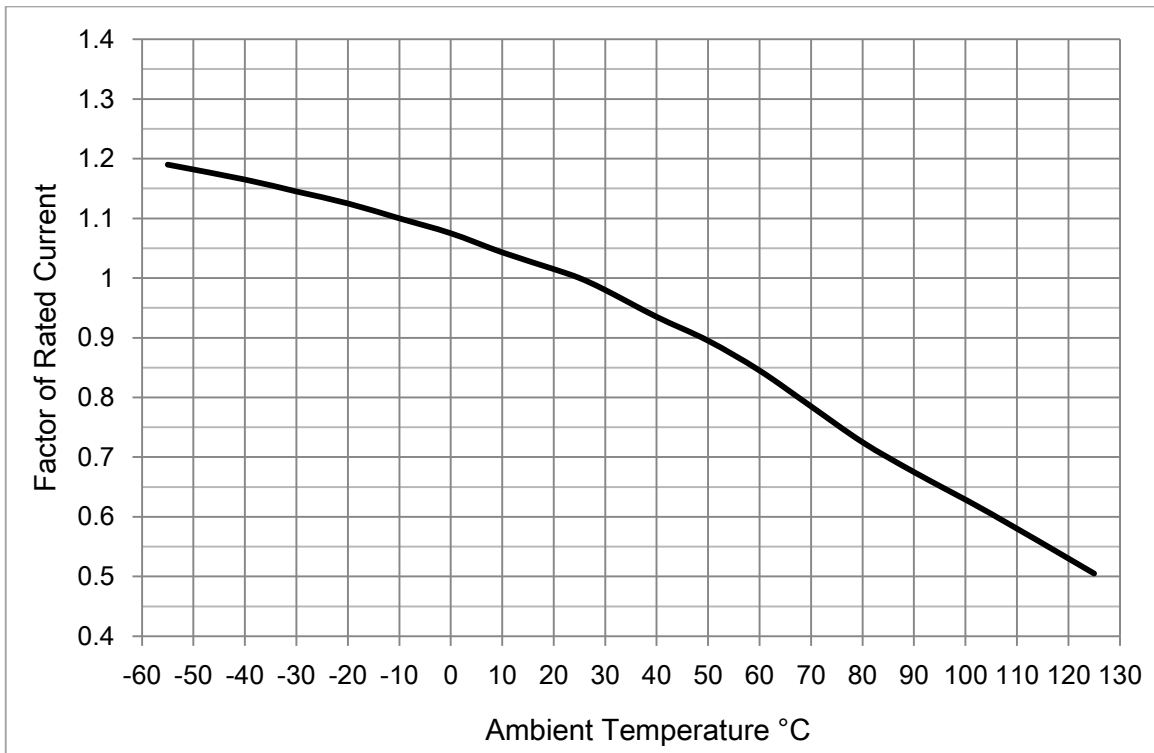


# Fast Acting High Current Brick Fuse A103001 Series



## Temperature derating curve

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



## Package and Minimum order QTY

1500pcs fuses in tape (width 24mm) and reel (dia. 13inch)