

**SMD FUSE**



**0603WCS500A032V**

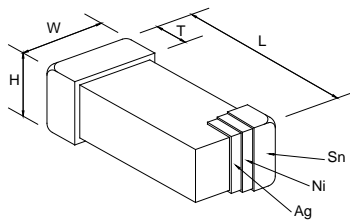
**Features**

- RoHS Passed
- SMD Electronic devices
- High structural intensity
- Compatible with both wave and reflow soldering processes
- Good corrosion resistance
- Operating temperature: -55°C to +125°C (with de-rating)

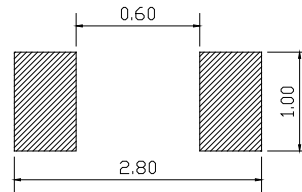


**Product Dimensions and Recommended Land Pattern(mm)**

Part Number	L	W	H	T
0603WCS500A032V	1.60±0.15	0.80±0.15	0.95max	0.10min



Product Dimensions



Recommended soldering dimension

**Specification**

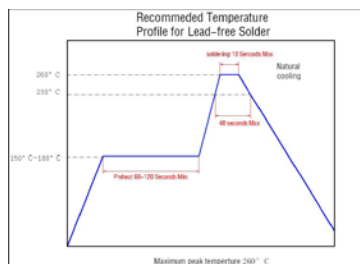
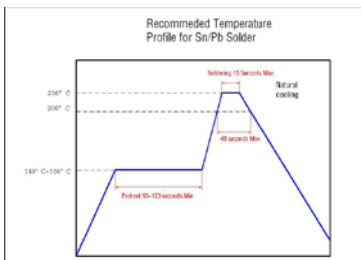
Part Number	Current Rating	Voltage Rating	Cold DCR <sup>1</sup>	Interrupting Rating	Nominal I <sup>2</sup> t <sup>(2)</sup>
	A	VDC	mΩ	A	A <sup>2</sup> s
0603WCS500A032V	5	32	11	50	2.9

1. Measured at ≤ 10% of rated current and 25°C ambient
2. Melting I<sup>2</sup>t at 0.001 sec clear-time

**Clear-Time Characteristics**

% of current rating	Clear-time at 25°C	
100%	4 hours (min)	
200%	1 sec (min)	120 sec (max)
300%	0.1 sec (min)	3 sec (max)
800%	0.001 sec (min)	0.05 (max)

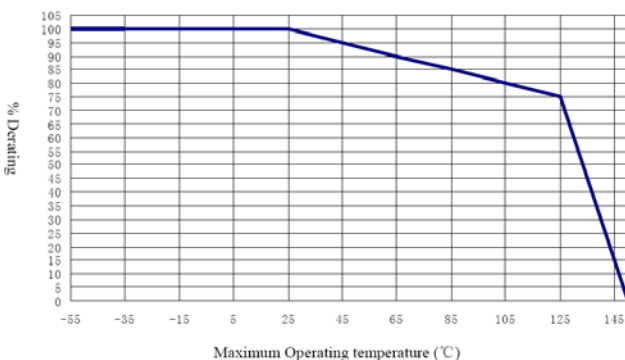
**Solder Reflow Recommendations**



**Recommended conditions for hand soldering:**

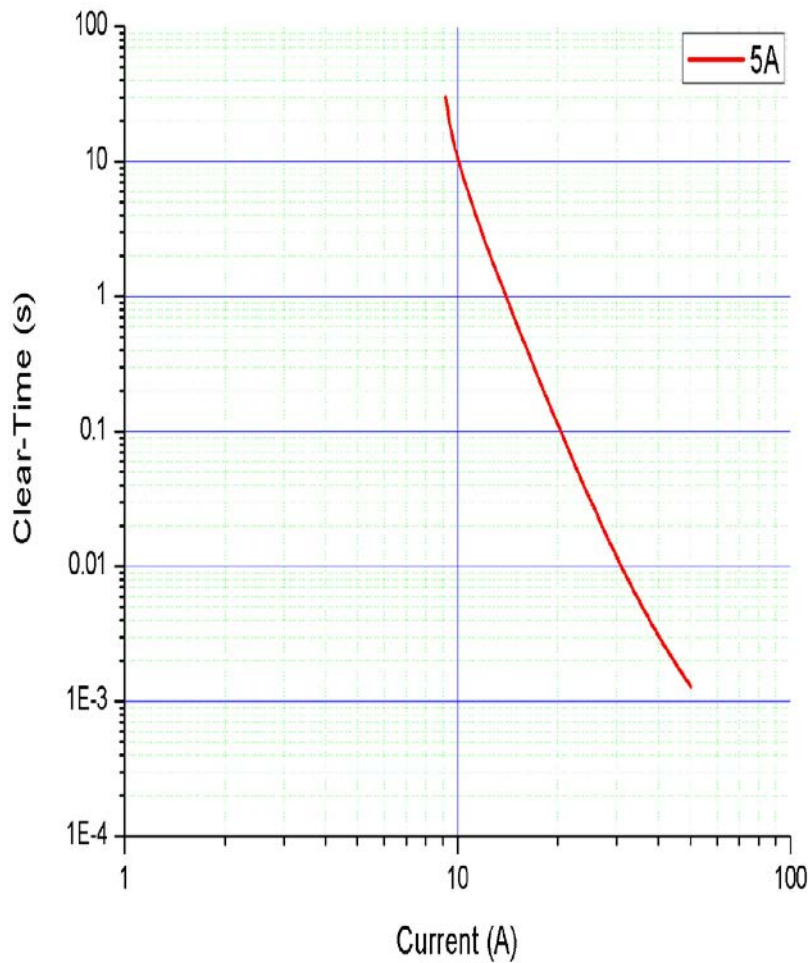
1. Preheating: 150°C, 60s (min) Appropriate temperature (max) of soldering iron tip/soldering time (max): 280°C /10s or 350°C / 3s Maximum temperature of soldering iron tip/soldering time: 350°C /9s or 400°C / 8s
2. Using hot air rework station with tip that can melt the solder on both terminations of the same time is strongly recommended, don't directly

**Temperature De-rating Guideline**

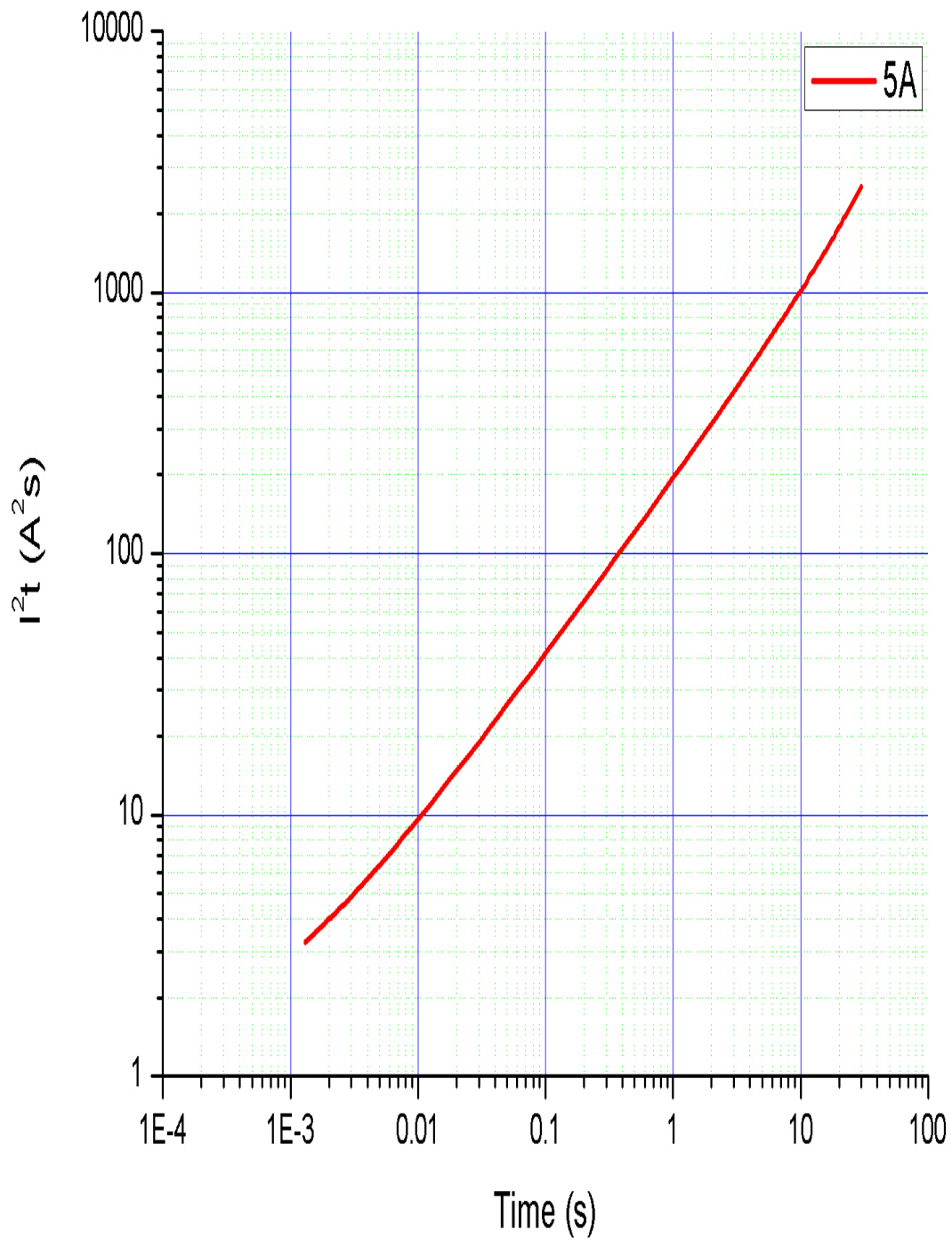


To select a fuse from the catalog, the following rule may be followed: Catalog Fuse Current Rating = Nominal Operating Current / 0.75 / % De-rating at the maximum operating temperature.

### Average Clear-Time Curves



## I<sup>2</sup>t vs. t Curves



### Packaging Data

4000pcs (7inch/178mm Reel)