SMD FUSE

Wayon Electronics Co.,Ltd.
No.1001, Shiwan Qi Road, Shanghai 201207,China
Tel: 86-21-50968322
E-mail: hanql@way-on.com   *Http://www.way-on.com*
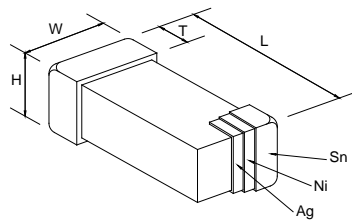
WAYON

0603WCS300A032V

Features

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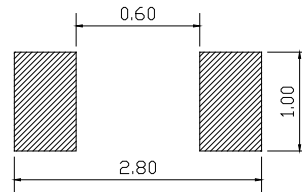■ Operating temperature: -55℃ to +125℃ (with de-rating)

Product Dimensions and Recommended Land Pattern(mm)

Part number	L	W	H	T
0603WCS300A032V	1.60±0.15	0.80±0.15	0.95max	0.10min

Product Dimensions

Recommended soldering dimension

Specification

Part number	Current Rating	Voltage Rating	Nominal Cold DCR[1]	Interrupting Rating	Nominal I²t[(2)]
	A	VDC	mΩ	A	A²s
0603WCS300A032V	3	32	28	35	0.97

1. Measured at ≤ 10% of rated current and 25ºC ambient

2. Melting I2t at 0.001 sec clear-time

Clear-Time Characteristics

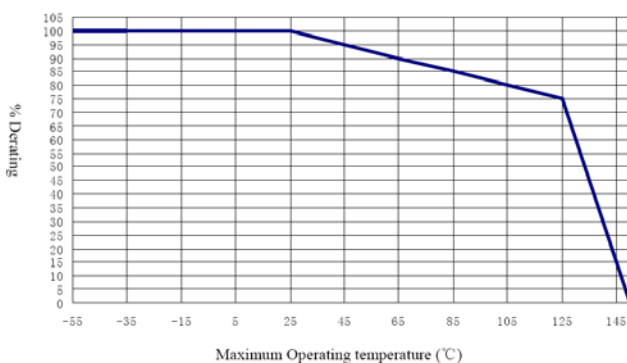| % of current rating	Clear-time at 25℃	
100%	4 hours (min)	
200%	1 sec (min)	120 sec (max)
300%	0.1 sec (min)	3 sec (max)
800%	0.001 sec (min)	0.05 (max)

Solder Reflow Recommendations
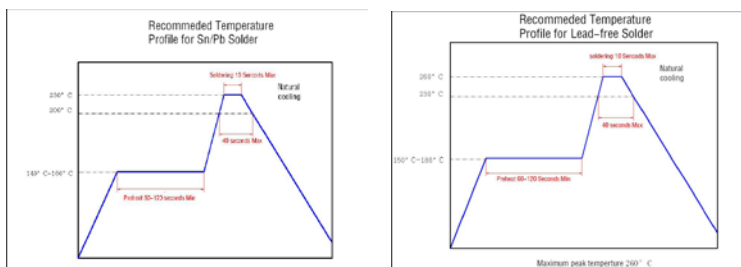
Recommended conditions for hand soldering:
1. Preheating: 150℃, 60s (min) Appropriate temperature (max) of soldering iron tip/soldering time (max): 280℃ /10s or 350℃ / 3s Maximum temperature of soldering iron tip/soldering time: 350℃ /9s or 400℃ / 8s
2. Using hot air rework station with tip that can melt the solder on both terminations of the same time is strongly recommended, don't directly contact the chip termination with the tip of soldering iron
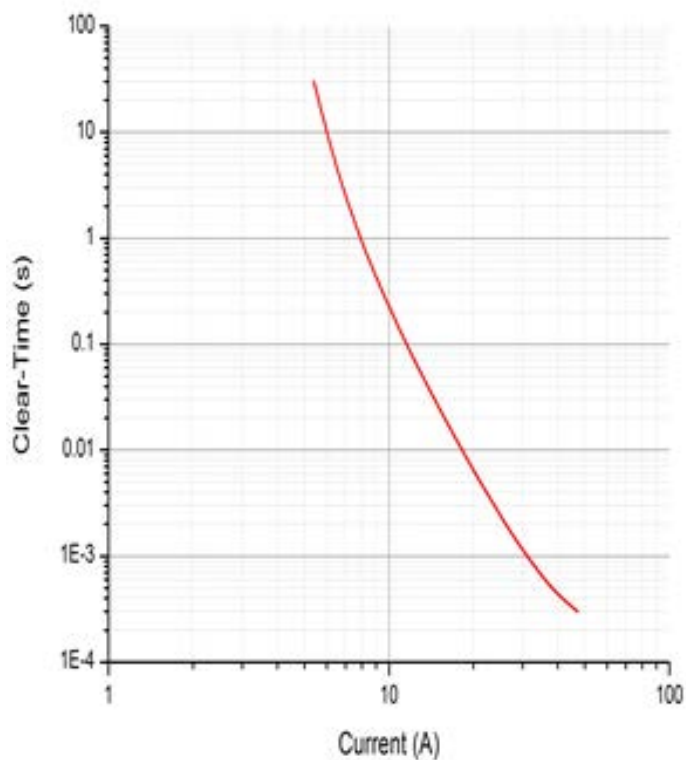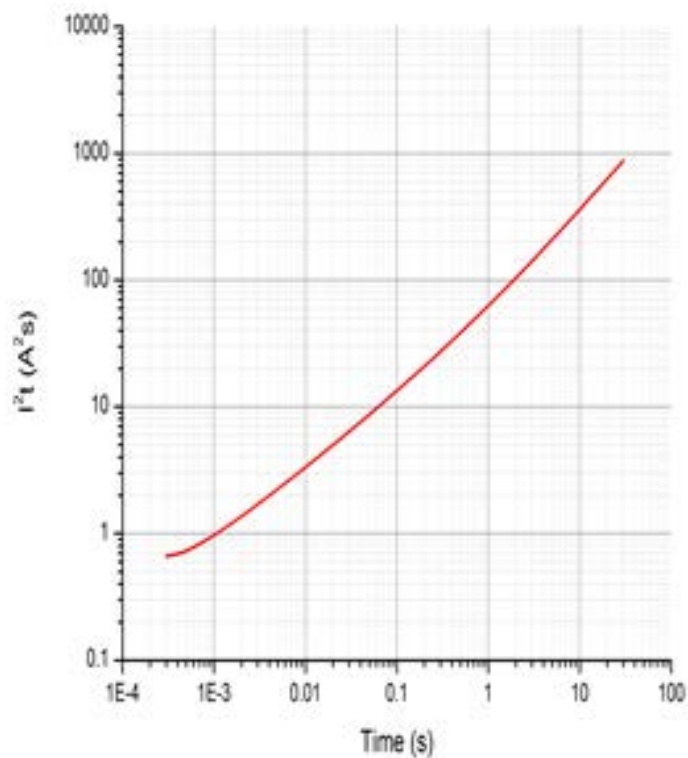
Temperature De-rating Guideline

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.

Curves

Average Clear-Time Curves

I²t vs. t Curves

Packaging Data

4000pcs （7inch/178mm Reel）