DOCUMENT: F20096 REV LETTER: C PAGE NO: 1 OF2 REV DATE: 2020-5-9 PART NUMBER:

SMD FUSE

Wayon Electronics Co.,Ltd.

No.1001, Shiwan Qi Road, Shanghai 201207, China

Tel: 86-21-50968322

E-mail: hangl@way-on.com Http://www.way-on.com



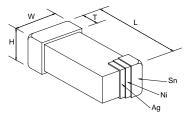
0603WCS300A032V

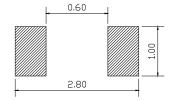
Features

- 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)

Toddot Billensions and Recommended Land Lattern(min)							
Part number	L	W	Н	T			
0603WCS300A032V	1.60 ± 0.15	0.80 ± 0.15	0.95max	0.10min			





RoHS

Product Dimensions

Recommended soldering dimension

Specification

Don't warming	Current Rating	Voltage Rating	Nominal Cold DCR ¹	Interrupting Rating	Nominal I ² t ⁽²⁾
Part number	Α	VDC	mΩ	Α	A ² s
0603WCS300A032V	3	32	28	35	0.97

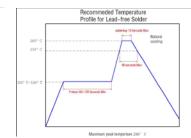
- 1. Measured at ≤ 10% of rated current and 25°C ambient
- 2. Melting I2t at 0.001 sec clear-time

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

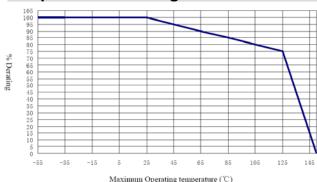




Recommended conditions for hand soldering:

- 1. Preheating: 150°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
- 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

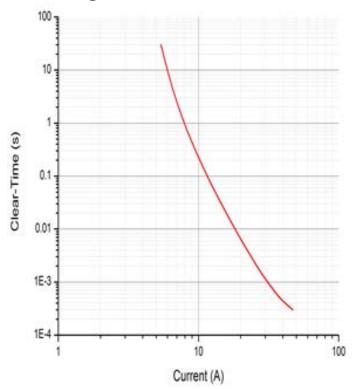
Temperature De-rating Guideline



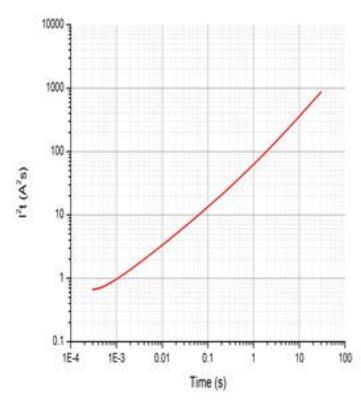
To select a fuse from the catalog, the following rule may be followed: Catalog Fuse Current Rating = Nominal Operating Current / 0.75 / % De-rating at the maximum operating temperature.

Curves

Average Clear-Time Curves



l²t vs. t Curves



Packaging Data

4000pcs (7inch/178mm Reel)