DOCUMENT: F20082 REV LETTER: F PAGE NO: 1 OF 3 REV DATE: 2019-11-20 PART NUMBER:

SMD FUSE

Wayon Electronics Co.,Ltd.

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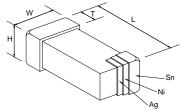
1206WCS100A063V

Features

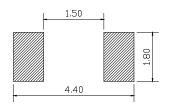
- RoHS Passed
- SMD Electronic devices
- High structural intensity
- Compatible with both wave and reflow soldering processes
- Good corrosion resistance
- Operating temperature: -55°C to +125°C (with de-rating)

Product Dimensions and Recommended Land Pattern(mm)

| | | | \ / | |
|-----------------|-----------------|-----------------|---------|---------|
| Part number | L | W | Н | T |
| 1206WCS100A063V | 3.20 ± 0.20 | 1.60 ± 0.20 | 1.50max | 0.20min |







Mark:S

Recommended soldering dimension

RoHS

Specification

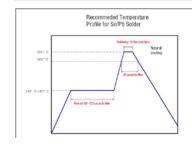
| David marsh an | Current Rating | Voltage Rating | Nominal Cold DCR ¹ | Interrupting Rating | Nominal I ² t ⁽²⁾ |
|-----------------|----------------|----------------|-------------------------------|---------------------|---|
| Part number | Α | VDC | mΩ | Α | A ² s |
| 1206WCS100A063V | 1.0 | 63 | 280 | 50 | 0.14 |

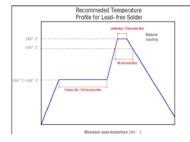
- 1. Measured at ≤ 10% of rated current and 25°C ambient
- 2. Melting I2t at 0.001 sec clear-time

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% | 0.002 sec (min) | 0.05 (max) | | | | |

Solder Reflow Recommendations

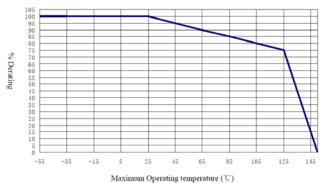




Recommended conditions for hand soldering:

- 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 contact the

Temperature De-rating Guideline

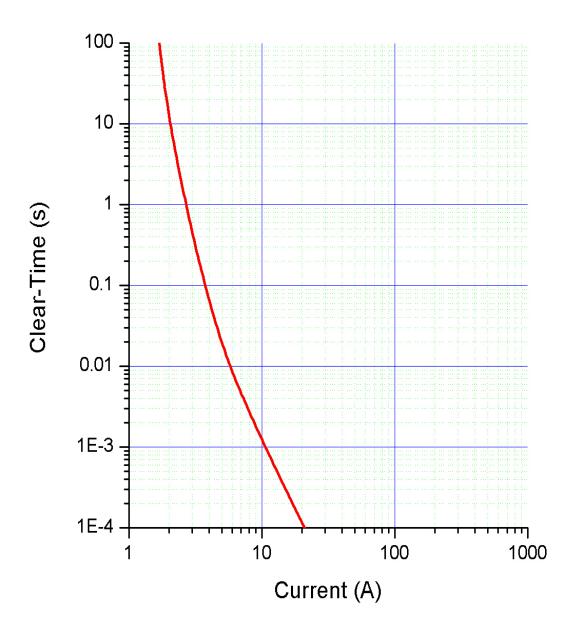


Specifications are subject to change without notice

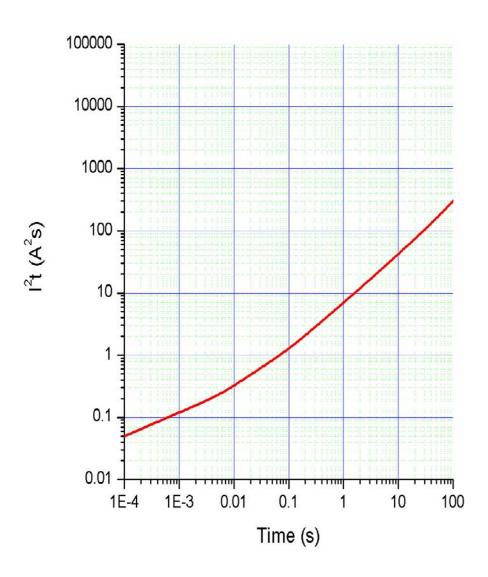
To select a fuse from the catalog, the following rule may be followed: Catalog Fuse Current Rating = Nominal Operating Current / 0.75 / % De-rating at the maximum operating temperature.

Curves

Average Clear-Time Curves



I²t vs. t Curves



Packaging Data

3000pcs (7inch/178mm Reel)