

SMD FUSE

CYG Wayon Circuit Protection Co.,Ltd.

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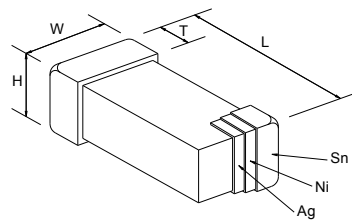
0603WCS200A032V

Features

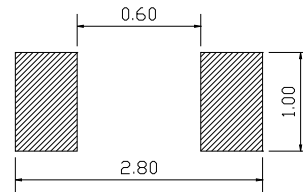
- ◇ RoHS Passed
- ◇ SMD Electronic devices
- ◇ High structural intensity
- ◇ Compatible with both wave and reflow soldering processes
- ◇ Good corrosion resistance
- ◇ Operating temperature: -55°C to +125°C (with de-rating)

Product Dimensions and Recommended Land Pattern(mm)

| Part number | L | W | H | T |
|------------------------|-----------|-----------|---------|---------|
| 0603WCS200A032V | 1.60±0.15 | 0.80±0.15 | 0.95max | 0.10min |



Product Dimensions



Recommended soldering dimension

Specification

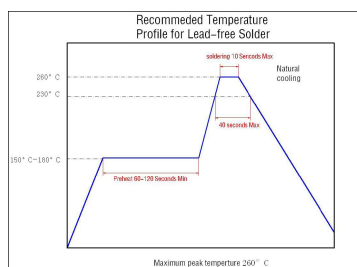
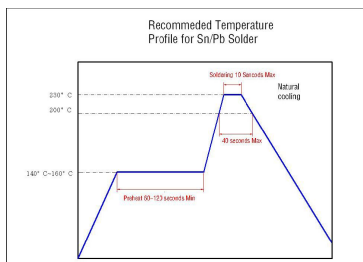
| Part number | Current Rating | Voltage Rating | Nominal Cold DCR ¹ | Interrupting Rating | Nominal I ² t ⁽²⁾ |
|------------------------|----------------|----------------|-------------------------------|---------------------|-----------------------------------------|
| | A | VDC | mΩ | A | A ² s |
| 0603WCS200A032V | 2 | 32 | 52 | 35 | 0.34 |

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°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) |

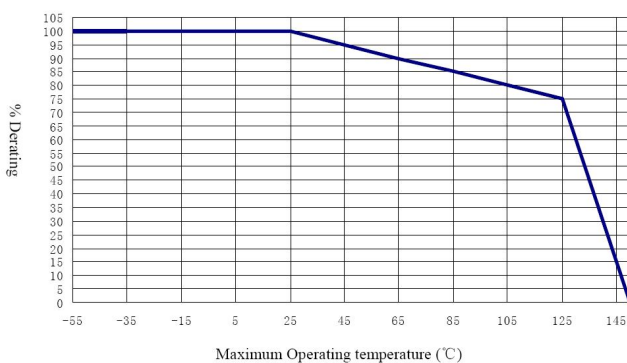
Solder Reflow Recommendations



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 contact the chip termination with the tip of soldering iron

Temperature De-rating Guideline

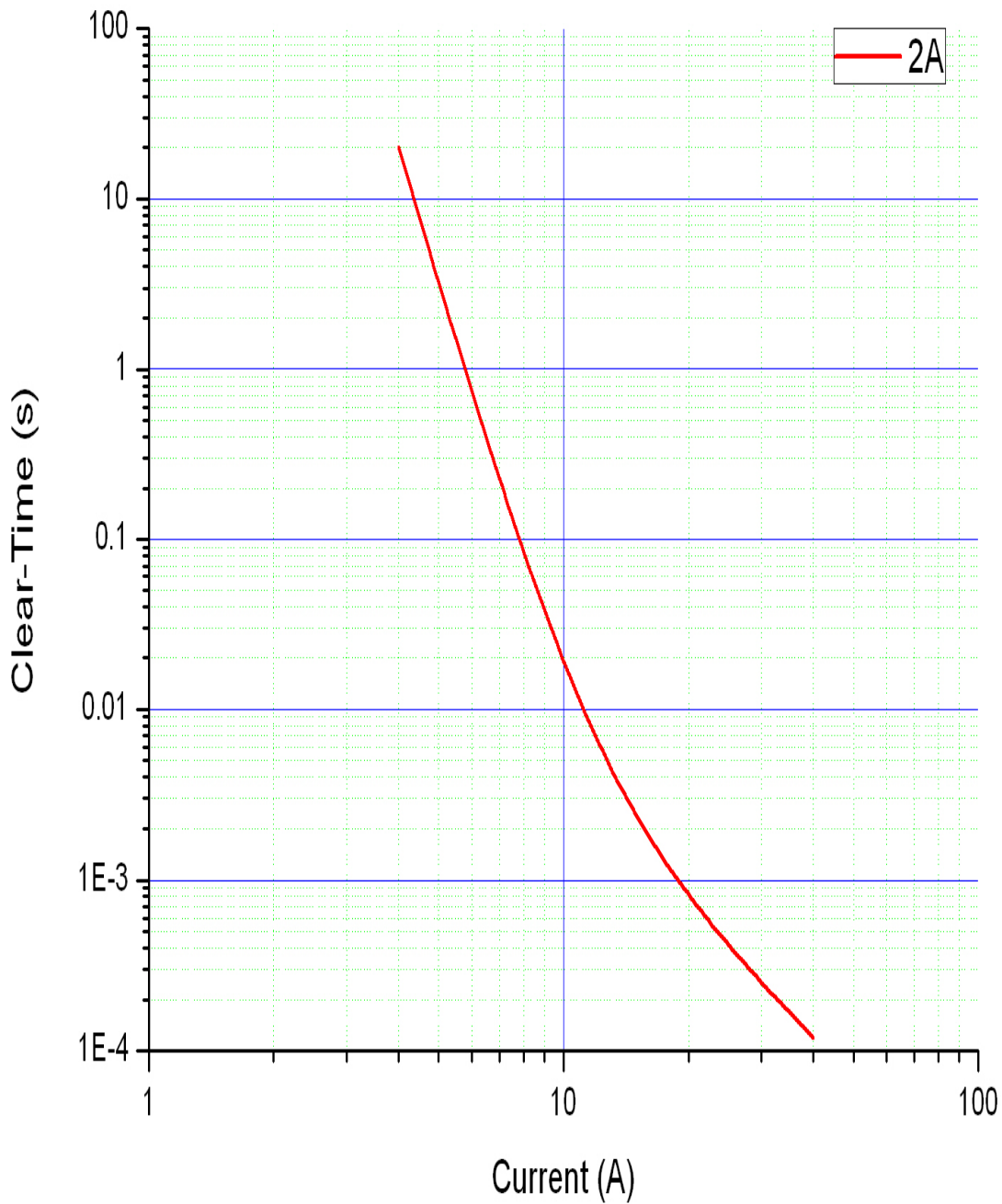


To select a fuse from the catalog, the following rule may be followed: Catalog Fuse Current Rating = Nominal Operating Current / 0.75 / % De-rating at the maximum operating temperature.

Packaging Data

4000pcs (7inch/178mm Reel)

Average Clear-Time Curves



I²t vs. t Curves

