



深圳市优恩半导体有限公司
UN Semiconductor

PRODUCT DATASHEET

Surface Mount Fuses

UN0603TS Series Fuse



UN0603TS Series Fuse



Description

UN0603TS Series are the fuses set the industry standard for performance, reliability and quality. The solder - free design provides excellent on - off and temperature cycling characteristics during use and also makes our SMD fuses more heat and shock tolerant than typical subminiature fuses.

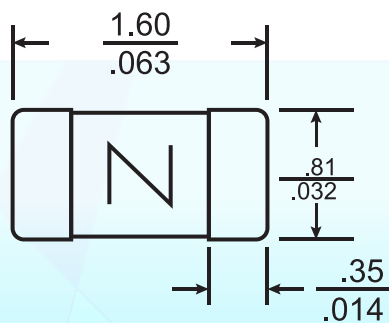
Features

- High inrush current withstanding capability
- Compatible with reflow and wave solder
- Excellent environmental integrity
- One time positive disconnect
- Lead Free and Halogen free material

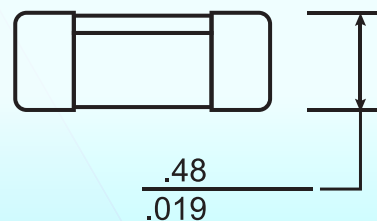
Electrical Characteristics

| Rated Current | 1.0In | 2.0In | 2.5In |
|---------------|-------------|----------|---------------|
| 1A~8A | 4 hour min. | 1~60 sec | 5 sec maximum |

Dimensions



Topview



Sideview



UN0603TS Series Fuse

Performance Specification

| Part No. | Rated Voltage DC | Rated Current (A) | Breaking Capacity ¹ | Typical Cold Resistance (mOhms) ² | Typical Voltage Drop (mV) | Typical Pre-Arching I ² t (A ² Sec) ³ | Alpha Marking |
|---------------|------------------|-------------------|--------------------------------|--|---------------------------|--|---------------|
| UN0603-1100TS | 32V | 1 | 50A | 300 | 345 | 0.011 | B |
| UN0603-1150TS | | 1.5 | | 150 | 270 | 0.045 | H |
| UN0603-1200TS | | 2 | | 72 | 160 | 0.115 | K |
| UN0603-1250TS | | 2.5 | | 52 | 145 | 0.14 | L |
| UN0603-1300TS | | 3 | | 35 | 130 | 0.21 | O |
| UN0603-1350TS | | 3.5 | | 23.8 | 130 | 0.55 | R |
| UN0603-1400TS | | 4 | | 24 | 120 | 0.52 | S |
| UN0603-1500TS | | 5 | | 14 | 110 | 1.70 | T |
| UN0603-1600TS | | 6 | | 8 | 110 | 2.30 | V** |
| UN0603-1700TS | | 7 | | 6.2 | 90 | 3.0 | X** |
| UN0603-1800TS | 8 | 4.1 | 80 | 4.5 | Z** | | |

* DC Interrupting Rating (Measured at rated voltage, time constant of less than 50 microseconds, battery source)

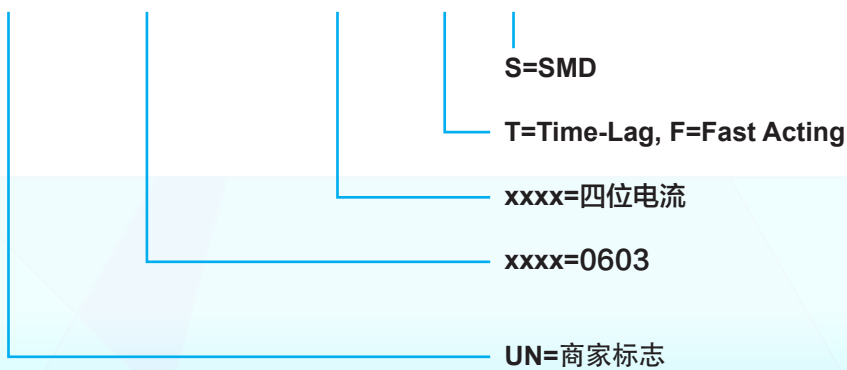
* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25degrees

* Typical Pre-arching I²t are measured at 10I_n Current

** For 1A-5A, the color of glass coating is Green; for others, it's Blue.

Part Numbering System

UN 0603 - xxxx T S





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Time Current Curve

