



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.

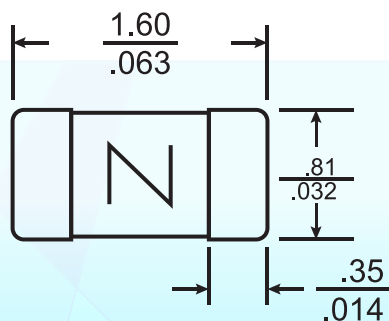
### Features

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

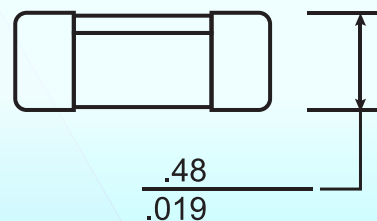
### Electrical Characteristics

| 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 <sup>1</sup> | Typical Cold Resistance (mOhms) <sup>2</sup> | Typical Voltage Drop (mV) | Typical Pre-Arcing I <sup>2</sup> t (A <sup>2</sup> Sec) <sup>3</sup> | 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 I<sup>2</sup>t are measured at 10I<sub>n</sub> Current

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

### Part Numbering System

**UN 0603 - xxxx T S**

S=SMD

T=Time-Lag, F=Fast Acting

xxxx=四位电流

xxxx=0603

UN=商家标志



## UN0603TS Series Fuse

### Time Current Curve

