



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.



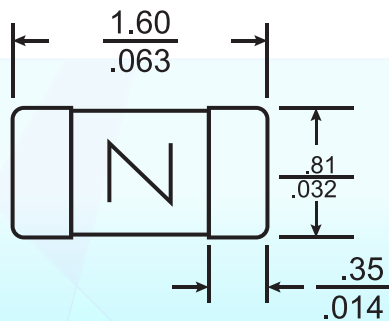
### Features

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

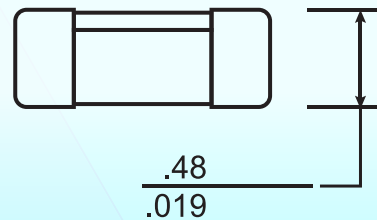
### Electrical Characteristics

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-Arching 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)

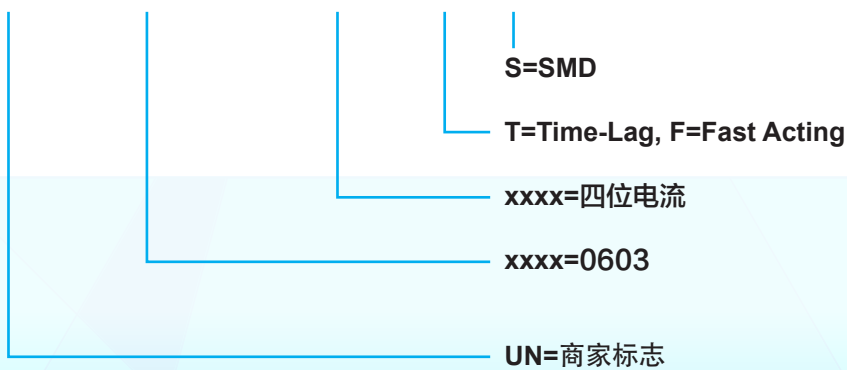
\* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25degrees

\* 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**





# UN0603TS Series Fuse

## Time Current Curve

