

# 0603 Time Delay SMD Fuses

## SC0603 Time-Delay Series

### Description

SC0603 Time-Delay 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.
- ◆ Ceramic and glass construction.
- ◆ Excellent environmental integrity.
- ◆ One time positive disconnect.
- ◆ Lead Free and Halogen free material.

### Electrical Characteristics

Rated Current	1.0I <sub>n</sub>	2.0I <sub>n</sub>	2.5I <sub>n</sub>
1A~8A	4 hours min.	60 secs max.	5 secs max.

### Specifications

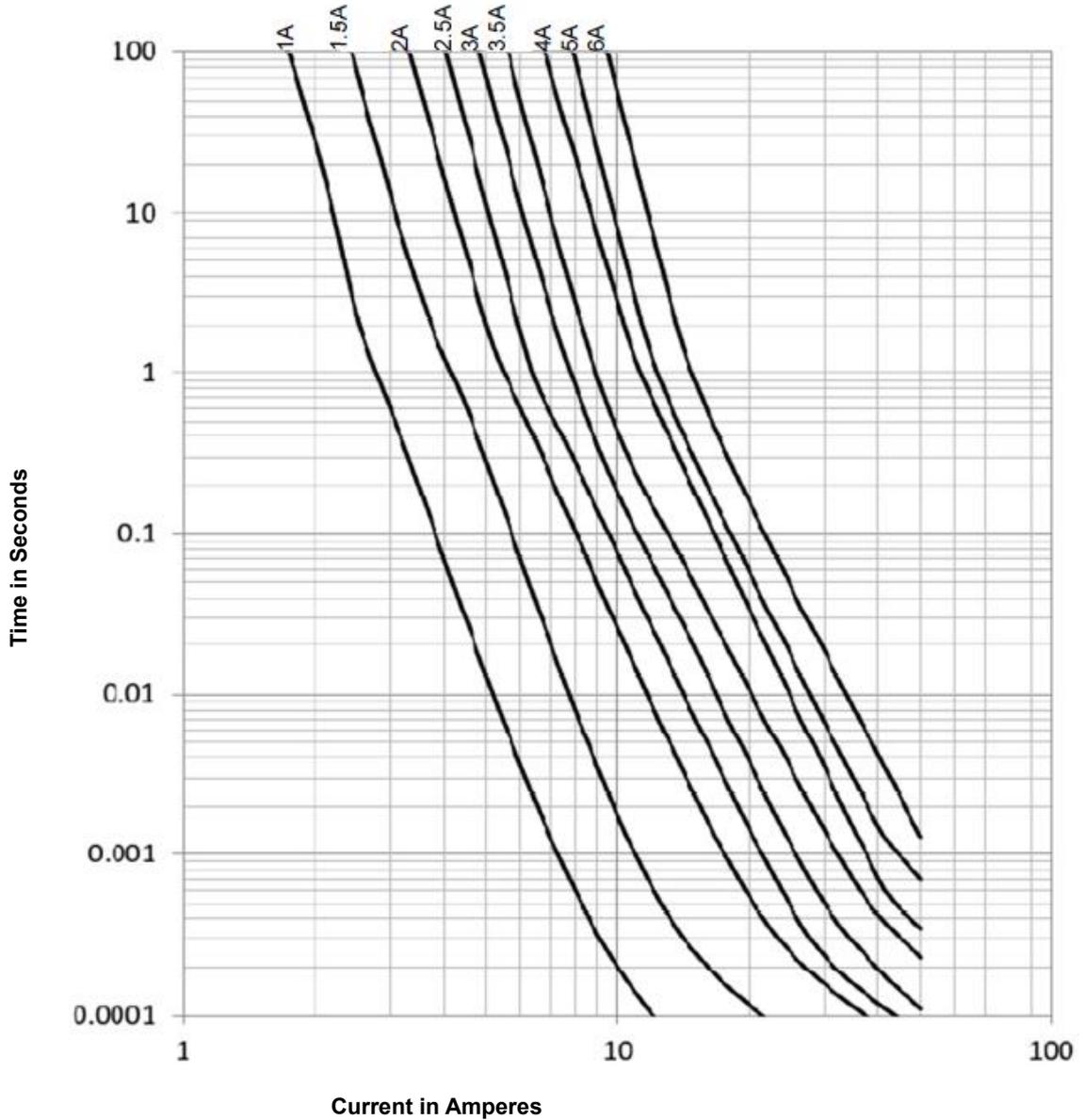
Part Number	Rated Voltage DC (V)	Rated Current (A)	Breaking Capacity (A) ①	Typical Cold Resistance (mOhms) ②	Typical Voltage Drop (mV)	Typical Pre-Arcing I <sup>2</sup> t (A <sup>2</sup> Sec) ③	Alpha Mark
06 100.1	32	1	50	257.5	295	0.018	B
06 100.1.5	32	1.5	50	137.5	220	0.065	H
06 100.2	32	2	50	72	160	0.115	K
06 100.2.5	32	2.5	50	52	145	0.14	L
06 100.3	32	3	50	35	130	0.21	O
06 100.3.5	32	3.5	50	23.8	130	0.55	R
06 100.4	32	4	50	21	120	0.52	S
06 100.5	32	5	50	14	110	1.70	T
06 100.6	32	6	50	8	110	2.30	V
06 100.7	32	7	50	5.6	90	3.0	X
06 100.8	32	8	50	3.5	80	5.2	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.

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### Average Time Current Curves



### Dimension (Unit: mm/inch)

