

0603 Fast Acting SMD Fuses

SC0603 Fast-Acting Series

Description

SC0603 Fast-Acting 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
250mA~8A	4 hours min.	60 secs max.

Specifications

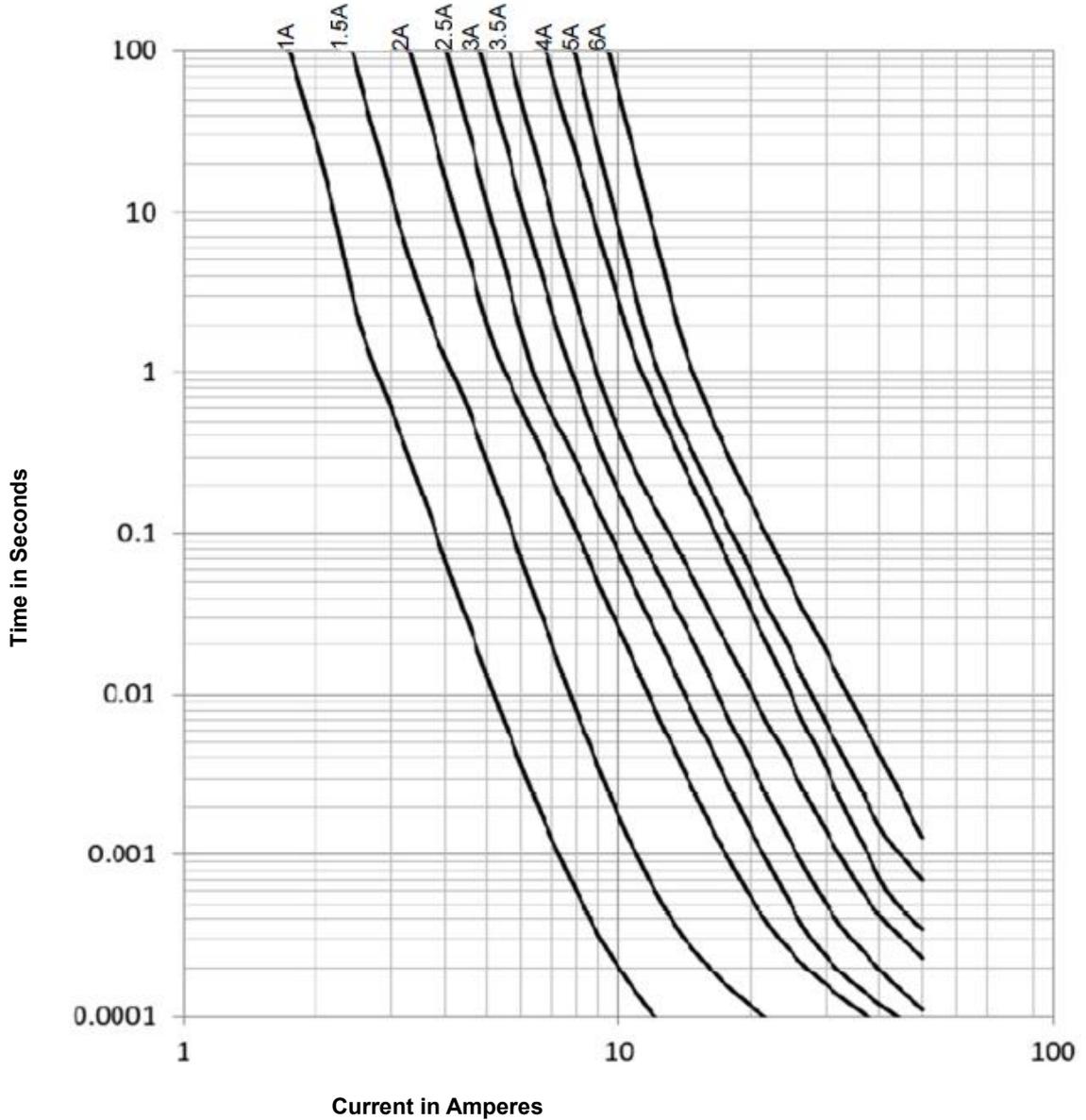
Part Number	Rated Voltage DC (V)	Rated Current (A)	Breaking Capacity (A) ①	Typical Cold Resistance (mOhms) ②	Typical Voltage Drop (mV)	Typical Pre-Arcing I ² t (A ² Sec) ③	Alpha Mark
06 000.0.25	63	0.250	50	3250	893	0.00042	D
06 000.0.375		0.375	50	1310	587	0.00093	E
06 000.0.5		0.500	50	1070	582	0.0020	F
06 000.0.75		0.750	50	470	427	0.0092	G
06 000.1		1	50	257.5	295	0.018	B
06 000.1.5		1.5	50	137.5	220	0.065	H
06 000.2	32	2	50	72	160	0.115	K
06 000.2.5		2.5	50	52	145	0.14	L
06 000.3		3	50	35	130	0.21	O
06 000.3.5		3.5	50	23.8	130	0.55	R
06 000.4		4	50	21	120	0.52	S
06 000.5		5	50	14	110	1.70	T
06 000.6		6	50	8	110	2.30	V
06 000.7		7	50	5.6	80	2.80	X
06 000.8		8	50	3.5	75	4.96	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-arcing I²t are measured at 10In Current.
- ◆ For fuse below 1A, the color of glass coating is Blue; for 1A and above, it's Green.

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Average Time Current Curves



Dimension (Unit: mm/inch)

