

# 1206 Fast Acting SMD Fuses

## SC1206 Fast-Acting Series

### Description

SC1206 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

- ◆ Rapid interruption of excessive current.
- ◆ Compatible with reflow and wave solder.
- ◆ Ceramic and glass construction.
- ◆ One time positive disconnect.
- ◆ Lead Free and Halogen free material.

### Electrical Characteristics

Rated Current	1.0In	2.5In	3.5In
250mA~5A		5 secs max.	—
6A~30A	4 hours min.	—	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
				72V	32V	24V				
12 000.0.25	72	32	0.25	50	50	150	3608	1407	0.0004	.25
12 000.0.375			0.375	50	50	150	1882	718	0.0008	●
12 000.0.5			0.5	50	50	150	1028	650	0.0022	0.5
12 000.0.75			0.75	50	50	150	601	616	0.0057	.75
12 000.1			1	50	50	150	490	510	0.10	H
12 000.1.25			1.25	50	50	150	165	184	0.021	▲
12 000.1.5			1.5	50	50	150	240	367	0.15	K
12 000.2			2	50	50	150	144	316	0.41	N
12 000.2.5			2.5	50	50	150	83	240	0.65	O
12 000.3			3	50	50	150	53	187	1.39	P
12 000.3.5			3.5	50	50	150	40	180	1.68	R
12 000.4			4	50	50	150	35	173	1.73	S
12 000.4.5			4.5	50	50	150	27	164	2.62	X
12 000.5			5	50	50	150	22	141	2.89	T
12 000.6.5	—	—	6.5	—	50	150	16	140	3.4	6.5

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				72V	32V	24V					
12 000.7	—	32	7	—	50	150	12	140	5.68	7	
12 000.10			10	—	—	150	4.4	59	2.16	10	
12 000.12			24	12	—	—	150	3.8	67	7.11	12
12 000.15				15	—	—	150	2.9	66	23.89	15
12 000.20			12	20	—	—	200	1.6	60	47.17	20
12 000.25				25	—	—	250	1.4	57	32	25
12 000.30				30	—	—	300	1	68	43	30

- ◆ 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 25°C.
- ◆ Typical Pre-arcing I<sup>2</sup>t are measured at 10In Current.

### Dimension (Unit: mm/inch)

