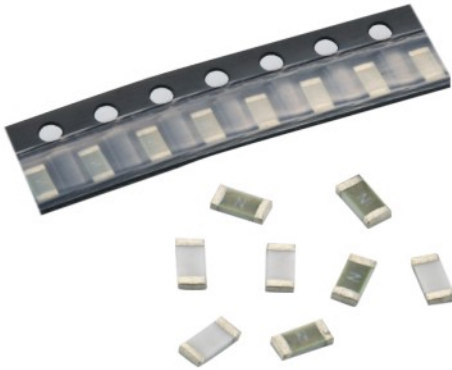


1206 Fast Acting SMD Fuses 12.000 Series



Description

12.000 Series fast-acting chip fuses help provide overcurrent protection for systems using DC power sources up to 72VDC.

Help provide higher hold current in the smaller footprint, improve product reliability and quality, enhance high-temperature performance in a wide range of circuit designs.

Electrical Characteristics

Rated Current	1.0I _n	2.5I _n	3.5I _n
250mA~5A	4 hour min.	5 sec max.	-
6A~30A		-	5 sec max.

Features

- Lead-Free and RoHS compliant
- High inrush current withstanding capability
- Compatible with reflow and wave solder
- Excellent environmental integrity
- One time positive disconnect
- Suitable for rated current of 250mA-30A
- Operating temperature range -55°C to +125°C (consider de-rating)

Applications

- USB charger
- Laptops
- Digital cameras
- Cell phones
- Printers
- DVD players
- Portable electronics
- Game systems
- LCD monitors
- Scanners

Specification

Part No.	Rated Voltage	Rated Current (A)	Breaking Capacity (A)			Typical Cold Resistance (mOhms) ²	Typical Voltage Drop (mV)	Typical Pre-Arcing I ² t (A ² Sec) ³	Alpha Mark
			72V	32V	24V				
12.000.0.25	72V	250mA	50A	32V	150A	3608	1407	0.0004	-2.5
12.000.0.375		375mA				1882	718	0.0008	E
12.000.0.5		500mA				1028	650	0.0022	0.5
12.000.0.75		750mA				601	616	0.0057	-7.5
12.000.1		1A				490	510	0.10	H
12.000.1.25		1.25A				165	184	0.021	▲
12.000.1.5		1.5A				240	367	0.15	K
12.000.2		2A				144	316	0.41	N
12.000.2.5		2.5A				83	240	0.65	O
12.000.3		63V				3A	50A	24V	150A
12.000.3.5	3.5A		40	180	1.68	R			
12.000.4	4A		35	173	1.73	S			
12.000.4.5	4.5A		27	164	2.62	X			
12.000.5	5A		22	141	2.89	T			
12.000.6.5	6.5A		16	140	3.4	6.5			
12.000.7	7A		12	140	5.68	7			
12.000.10	10A		4.4	59	2.16	10			
12.000.12	12A		3.8	67	7.11	12			
12.000.15	15A		2.9	66	23.89	15			
12.000.20	-	20A	200A	1.6	60	47.17	20		
12.000.25		25A	250A	1.4	57	32	25		
12.000.30		30A	300A	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

Dimension (Unit: mm)

Packaging

3,000 pcs per reel

