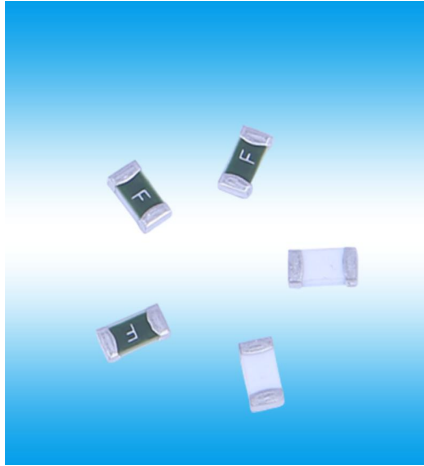


**Type 1206FF/Fast Acting SMD Fuse**

1206FF系列/快断贴片保险丝



**Description**

1206FF 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.

1206FF系列保险丝在性能、可靠性和质量方面符合行业标准。无焊料的设计在使用过程中提供了优异的开关和温度循环特性，也使我们的SMD保险丝比典型的超小型保险丝更耐热和耐冲击。

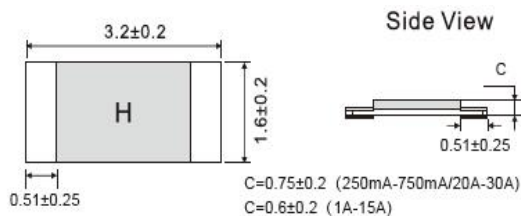
**Features 产品特点**

- AEC-Q200 Automotive Grade Certified  
AEC-Q200汽车等级认证
- Compatible with reflow and wave solder  
兼容回流焊和波峰焊
- Rapid interruption of excessive current  
过度电流的快速中断
- Ceramic and glass construction  
陶瓷玻璃结构
- One time positive disconnect  
一次性正断开

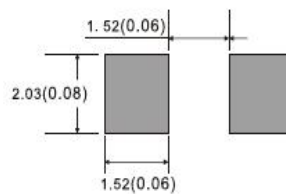
**Applications 产品应用**

- Power supplies  
电力供应
- Servers  
服务器
- LED/LCD televisions  
液晶电视
- Appliances and white goods  
家用电器
- LCD monitor/backlight inverters  
液晶显示器/背光逆变器
- Laptops and notebooks  
笔记本电脑

**Dimensions (Unit:mm) 尺寸 (单位: mm)**



**Recommended Pad Layout (mm)**



**Electrical Characteristics 熔断特性**

Electrical Characteristics 熔断特性		
Ampere Rating	% of Amp Rating	Opening Time
250mA-8A	100%	4 Hours Minimum
	200%	60 Seconds Maximum

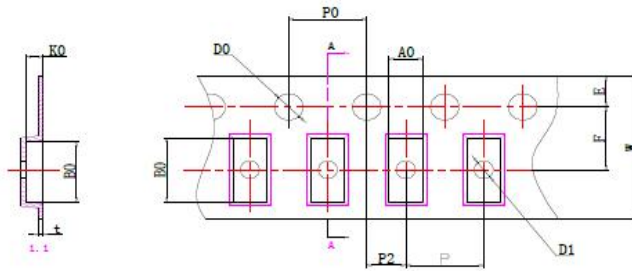
Safety Agency:

**Type 1206FF/Fast Acting SMD Fuse**

**Electrical Specifications** 电气特性

Catalog Number	Ampere Rated In	Marking	Voltage Rating(V) Interrupting Rating (A)	Normal Resistance Cold(Ohm)	Normal Melting $I^2T(A^2sec)$
1206FF250mA	250mA	.25	50A@32V/72V/125VDC 300A@24VDC 50A@125VAC	3608	0.00040
1206FF375mA	375mA	E		1882	0.0008
1206FF500mA	500mA	0.5		1028	0.0022
1206FF750mA	750mA	.75		601	0.0057
1206FF1A	1A	H		490	0.10
1206FF1.5A	1.5A	K		240	0.15
1206FF2A	2A	N		132	0.41
1206FF2.5A	2.5A	O		77	0.65
1206FF3A	3A	P		48	1.39
1206FF3.5A	3.5A	R	50A@32V/72VDC 300A@24VDC 50A@125VAC	40	1.68
1206FF4A	4A	S		35	1.73
1206FF4.5A	4.5A	X		30	2.62
1206FF5A	5A	T		25	2.89
1206FF6A	6A	F	50A@32VDC 300A@24VDC	16.5	11.0
1206FF7A	7A	7		12	12.5
1206FF8A	8A	M	300A@24VDC	8.5	14.0
1206FF10A	10A	U		6.8	20.0
1206FF12A	12A	12		5.0	11.5
1206FF15A	15A	15		3.9	16.5
1206FF20A	20A	20		1.8	47.17
1206FF25A	25A	25		1.5	32
1206FF30A	30A	30	1.3	43	

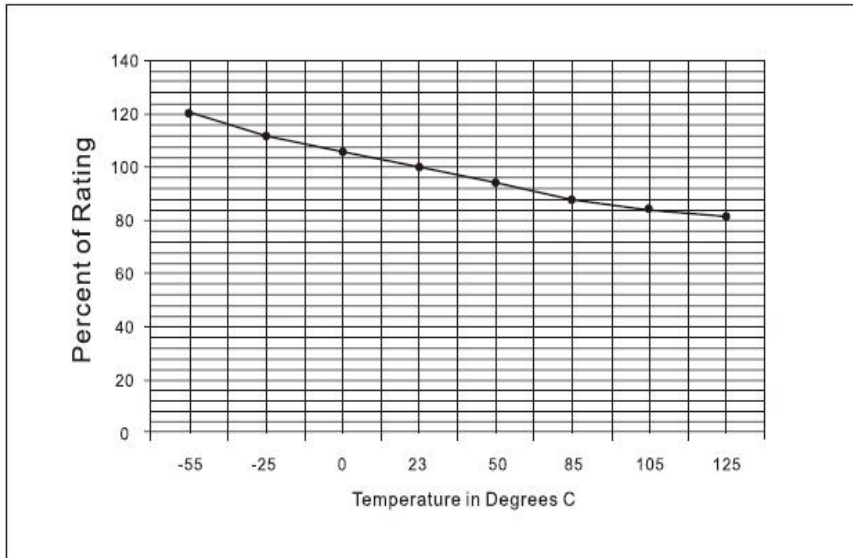
**Packaging and Type Designation** 包装和型号名称



Type	W <sup>+0.3</sup> -0.1	A0±0.1	B0±0.1	K0±0.1	P±0.1	F±0.05	E±0.1	D0±0.1	D1min	P2±0.05	t±0.02
1206	8	2.7	3.6	1.25	4.0	3.5	1.75	1.5	1.0	2.0	0.25

**Type 1206FF/Fast Acting SMD Fuse**

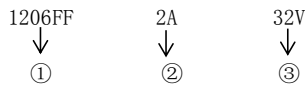
**Temperature Derating Curve 温度降额曲线**



➡ Normal ambient temperature: 25±2°C

➡ Operating temperature: -55-125°C, with proper correction factor applied

**Formation of Type Designation 类型命名的形成**



① Series Number 系列名称: 1206 (尺寸) FF (快断) **Packaging 包装**

② Ampere rating 额定电流: 2A

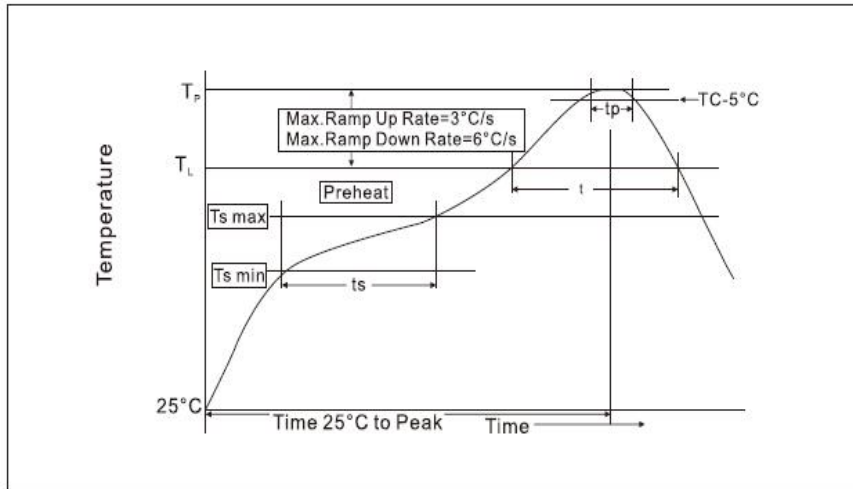
On Tape: 1206FF-3000pcs Per Reel, 30000pcs Outer Box

③ Voltage Rating 额定电压: 250V

**Type 1206FF/Fast Acting SMD Fuse**

**Solder reflow profile**

Profile Feature		Lead (Pb) free solder
Preheat and soak	Temperature Min ( $T_s$ min)	150°C
	Temperature Max ( $T_s$ max)	200°C
	Time ( $T_s$ Min to $T_s$ Max) (ts)	60-120secs
Average ramp up rate $T_s$ max to $T_p$		3°C/second max
Liquidous temperature ( $T_L$ ) Time at liquidous (tL)		217°C 60-150 seconds
Peak package body temperature ( $T_p$ )		260°C
Time (tp) within 5°C of the specified classification temperature ( $T_c$ )		30 seconds
Average ramp-down rate ( $T_p$ to $T_s$ max)		6°C/second max
Time 25°C to peak Temperature		8 minutes max



Type 1206FF/Fast Acting SMD Fuse

Time-Current Characteristics 熔断时间特性表

