

Type 5TC/Slow-Blow Fuse

5TC系列/慢断熔断器



**Description**

- This space saving fuse is ideally suited for lighting, power supply, and adapter applications

适用照明、电源和适配器

**Features** 产品特征

- Meets the requirements of IEC60127-2 Sheet 3  
符合IEC60127-2 Sheet 3的要求。
- Single Pigtail  
单帽
- Slow-Blow, ceramic body fuse in a compact package  
慢断，小型陶瓷熔断体
- High breaking capacity  
高分断能力
- Available in ratings of 1A to 10Amperes  
额定电流1A到10A
- Pb-free, RoHS compliant  
无铅，符合RoHS

**Applications** 产品应用

- Smartphone  
智能手机
- Power Supplies for consumer electronics  
消费类电子产品的电源
- Tablet wall-mount chargers  
平板电脑壁挂型充电器

**Electrical Characteristics** 熔断特性

Electrical Characteristics 熔断特性		
Ampere Rating	% of Amp Rating	Opening Time
1A-10A	150%	1 Hours Minimum
1A-10A	210%	1800s Maximum
1A-10A	275%	750ms-80s
1A-3.15A	400%	95ms-5s
4A-10A	400%	150ms -5s
1A-10A	1000%	10ms -150ms

Safety Agency:

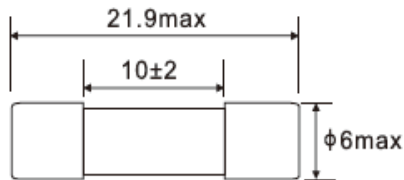


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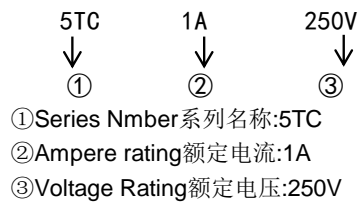
**Electrical Specifications** 电气特性

Catalog Number	Ampere Rated In	Marking	Voltage Rating(V) Interrupting Rating (A)	Normal Resistance Cold(Ohm)	Normal Melting $I^2T(A^2sec)$
5TC1A	1A	T1AH250V	10000A@125VAC 1500A@250VAC 200A@250VAC 300A@400VAC 200A@500VAC	0.1401	1.28
5TC1.25A	1.25A	T1.25AH250V		0.1075	2.22
5TC1.6A	1.6A	T1.6AH250V		0.0700	6.78
5TC2A	2A	T2AH250V		0.0545	9.60
5TC2.5A	2.5A	T2.5AH250V		0.0395	16.60
5TC3.15A	3.15A	T3.15AH250V		0.0305	36.60
5TC4A	4A	T4AH250V		0.0178	38.45
5TC5A	5A	T5AH250V		0.0131	71.30
5TC6.3A	6.3A	T6.3AH250V		0.0095	111
5TC8A	8A	T8AH250V		0.0073	228
5TC10A	10A	T10AH250V		0.0054	397

**Dimensions(mm)**



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

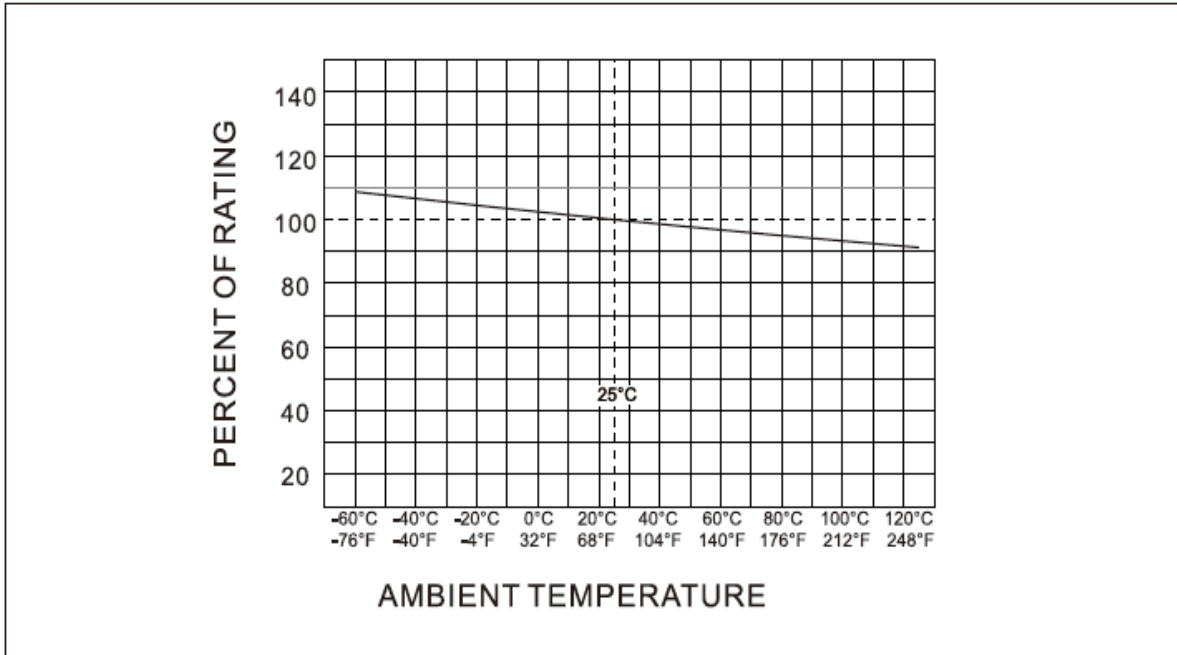


**Packaging** 包装

On Tape:5TC-2000pcs in box,24000pcs Outer Box

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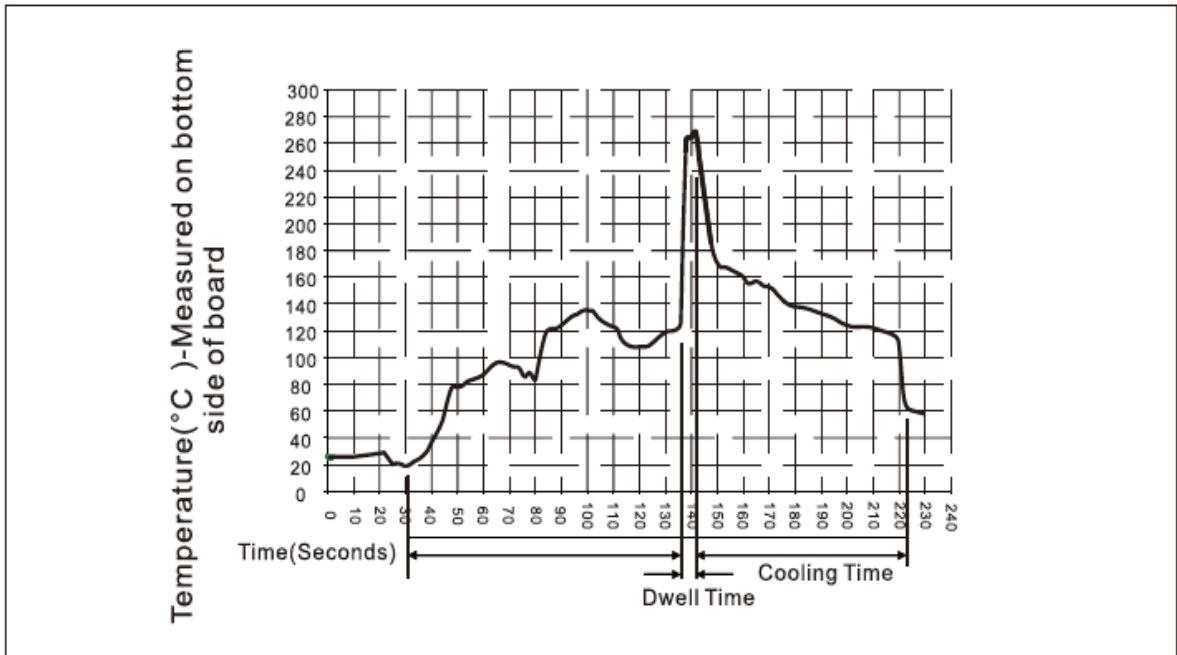
Temperature Derating Curve 额定温度曲线



Note:

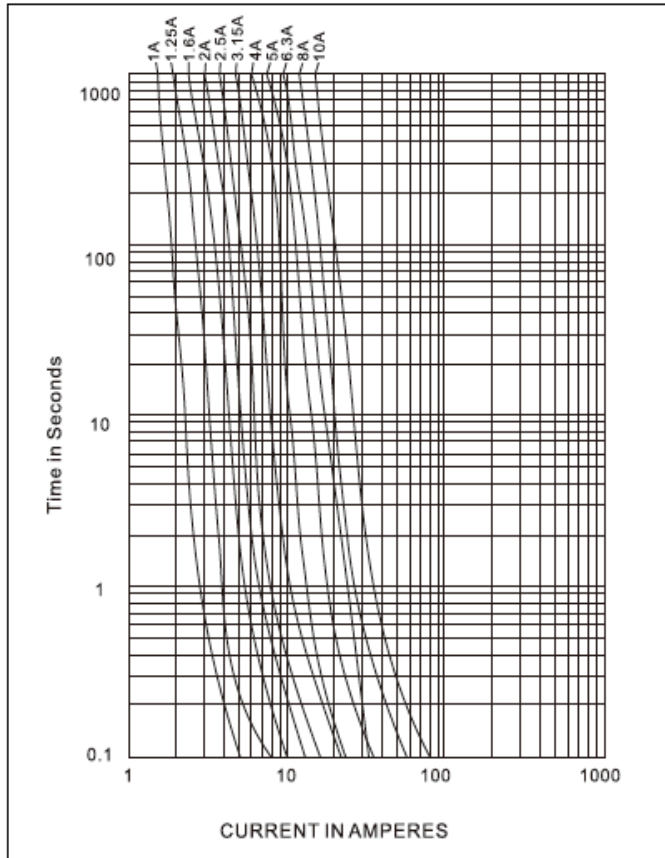
Derating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

Soldering Parameters-Wave Soldering 焊接参数



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**Time-Current Characteristics** 熔断时间特性表



**Operation Temperature** 工作温度

→ -40°C to 125°C

**Physical Specification Materials** 规格材料

- Ceramic Body
- Lead Wire: Tin plated Copper, Diameter 0.65 mm/0.8mm
- Nickel Plated Brass Caps

**Recommended Process Parameters** 工艺参数

Wave Parameter	Lead-Free Recommendation
Preheat: (Depends on Flux Activation Temperature)	(Typical Industry Recommendation)
Temperature Minimum:	100°C
Temperature Maximum:	150°C
Preheat Time:	60-180seconds
Solder Pot Temperature:	260°C Maximum
Solder Dwell Time:	2-5 seconds

→ Recommended Hand-Solder Parameters:

- Solder Iron Temperature: 350°C +/- 5°C
- Heating Time: 5 seconds max.
- Note: These devices are not recommended for IR or Convection Reflow process