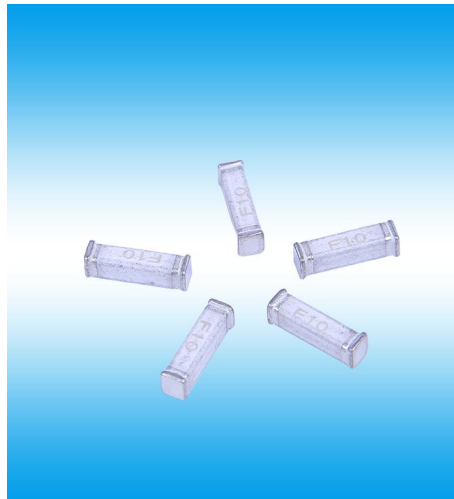


**Type 1025SB/Slow Blow Brick Chipfuse**

1025SB系列/慢断方型保险丝



**Description**

- ➔ Slow Blow surface-mount fuse  
慢断表面贴装保险丝
- ➔ Satisfies the EIA/IS-722 Standard  
符合EIA/IS-722标准
- ➔ Solder immersion compatible  
浸焊兼容

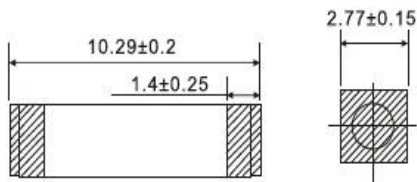
**Features产品特征**

- ➔ 250VAC voltage rating  
250VAC额定电压
- ➔ Slow Blow  
慢断
- ➔ RoHS compliant  
符合RoHS要求

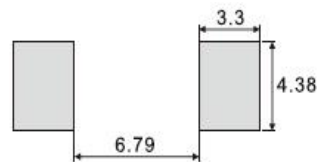
**Applications产品应用**

- ➔ AC/DC power adaptor  
AC / DC电源适配器
- ➔ Telecom equipment system power  
电信设备系统电源
- ➔ Portable system built-in AC/DC converter  
便携式系统内置交流/直流转换器
- ➔ High voltage DC/DC converter  
高压DC/DC转换器
- ➔ Lighting system  
照明系统
- ➔ LED lighting  
LED 照明

**Dimensions(Unit:mm)尺寸 (单位: mm)**



**Recommended Pad Layout(mm)**



**Electrical Characteristics熔断特性**

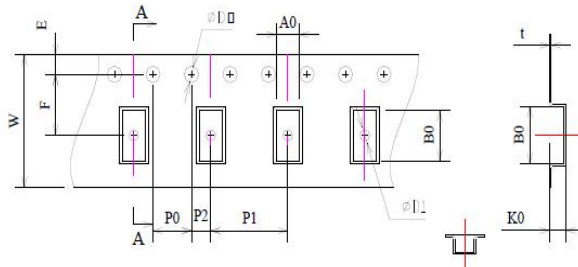
Electrical Characteristics熔断特性		
Ampere Rating	% of Amp Rating	Opening Time
250mA-5A	100%	4 Hours Minimum
	200%	1-60 Seconds
	250%	10Seconds Maximum

**Type 1025SB/Slow Blow Brick Chipfuse**

**Electrical Specifications** 电气特性

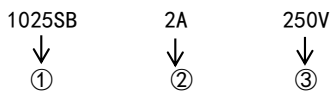
Catalog Number	Ampere Rated In	Marking	Voltage Rating(V) Interrupting Rating (A)	Norminal Resistance Cold(Ohm)	Norminal Melting $I^2T(A^2sec)$
1025SB250mA	250mA	T0.25	50A@250VAC 50A@125VDC	4.2000	0.128
1025SB500mA	500mA	T0.5		0.55000	1.470
1025SB750mA	750mA	T0.75		0.3270	1.410
1025SB1A	1A	T1		0.2030	3.20
1025SB1.5A	1.5A	T1.5		0.0920	18.22
1025SB2A	2A	T2		0.0680	17.270
1025SB2.5A	2.5A	T2.5		0.0420	16.51
1025SB3A	3A	T3		0.3300	42.74
1025SB3.5A	3.5A	T3.5		0.0270	43.33
1025SB4A	4A	T4		0.0220	66.96
1025SB5A	5A	T5		0.0160	88.38

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



Dimension (mm)	W±0.3	A0±0.1	B0±0.1	K0±0.1	P0±0.1	P1±0.1	P2±0.05	t±0.05	E±0.1	F±0.1	D0±0.1	D1min
1025SB	24	3.30	11.0	3.20	4.0	8.0	2.0	0.3	1.75	11.5	1.5	1.5

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



①Series Nंबर系列名称:1025 (尺寸) SB (慢断) **Packaging**包装

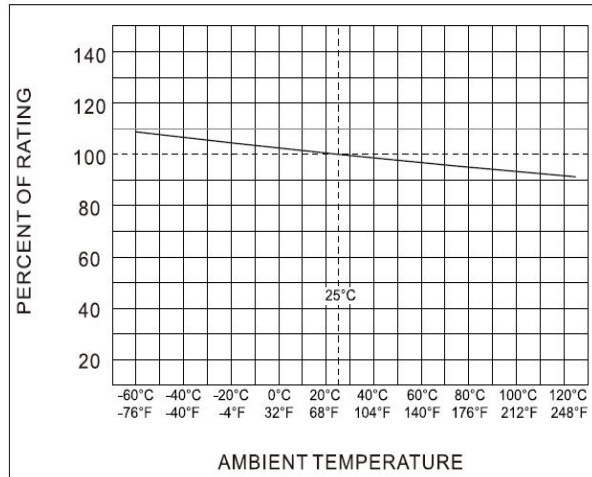
②Ampere rating额定电流:2A

③Voltage Rating额定电压:250V

On Tape:1025SB-2500pcs Per Reel,20000pcs Outer Box

**Type 1025SB/Slow Blow Brick Chipfuse**

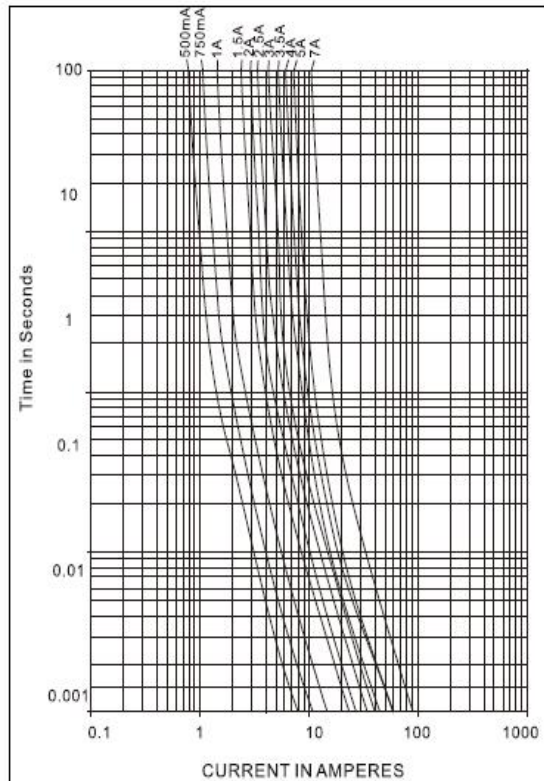
**Temperature Rerating Curve 额定温度曲线**



**Note:**

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

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



**Type 1025SB/Slow Blow Brick Chipfuse**

**Soldering Parameters 焊接参数**

Reflow Condition 回流条件		Pb-Free assembly 无铅制程
Heat Pre	Temperature Min ( $T_s$ )	150°C
	Temperature Max ( $T_s$ )	200°C
	Time (Min to Max) ( $t_s$ )	60-120secs
Average ramp up rate (Liquidus) Temp ( $T_L$ ) to peak		3°C/second max
$T_s$ (max) to $T_L$ -Ramp-up Rate		3°C/second max
Reflow	-Temperature ( $T_L$ ) (Liquidus)	217°C
	Time (Min to Max) ( $t_L$ )	60-90 seconds
Peak Temperature ( $T_p$ )		260 <sup>-0/-5</sup> °C
Time within 5°C of actual peak Temperature ( $t_p$ )		20-40 seconds
Ramp-down Rate		5°C/second max
Time 25°C to peak Temperature ( $T_p$ )		8 minutes max
Do not exceed		260°C

