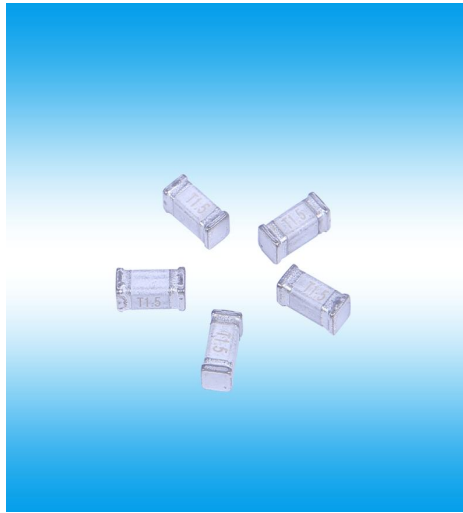


Type 6125SB/Slow Blow Brick Chipfuse

6125SB系列/慢断方型保险丝



Description

- ➔ Slow Blow surface mount fuse
慢断表面贴装保险丝
- ➔ Overcurrent protection of systems up to 250Vac/60Vdc
250Vac/60Vdc的系统的过流保护
- ➔ High inrush withstand capability
抗冲击能力强
- ➔ Solder immersion compatible
浸焊兼容

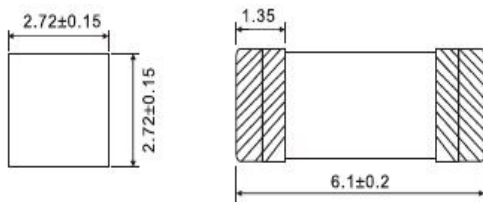
Features产品特征

- ➔ RoHS compliant
符合RoHS要求
- ➔ Wide range of current ratings available
应用范围广
- ➔ Slow Blow
慢断
- ➔ Wide operating temperature range
工作温度范围广
- ➔ Small size
小尺寸

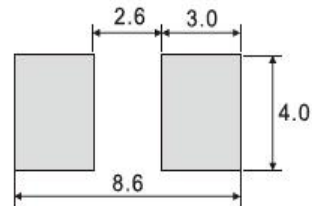
Applications产品应用

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

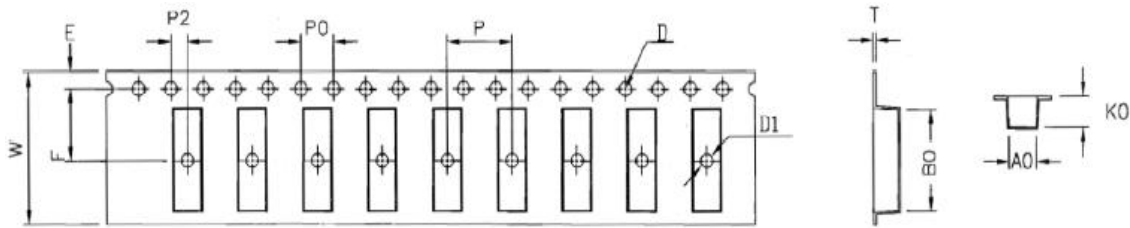
Electrical Characteristics熔断特性		
Ampere Rating	% of Amp Rating	Opening Time
500mA-7A	100%	4 Hours Minimum
	200%	1-60 Seconds Maximum

Type 6125SB/Slow Blow Brick Chipfuse

Electrical Specifications 电气特性

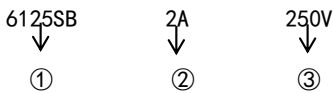
Catalog Number	Ampere Rated In	Marking	Voltage Rating(V) Interrupting Rating (A)	Norminal Resistance Cold(Ohm)	Norminal Melting I ² T(A ² sec)
6125SB500mA	500mA	T0.5	50A@125V/250VAC 50A@60VDC	0.4025	0.716
6125SB750mA	750mA	T0.75		0.2350	1.070
6125SB1A	1A	T1		0.1680	2.880
6125SB1.5A	1.5A	T1.5		0.0630	2.350
6125SB2A	2A	T2		0.0480	9.450
6125SB2.5A	2.5A	T2.5		0.0350	16.200
6125SB3A	3A	T3		0.0263	15.300
6125SB3.5A	3.5A	T3.5		0.0195	14.500
6125SB4A	4A	T4		0.0185	38.800
6125SB5A	5A	T5		0.0133	34.400
6125SB7A	7A	T7		0.0087	90.200

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±0.1	t±0.1	E±0.1	F±0.1	D0±0.1	D1±0.1
6125SB	16.0	2.95	6.30	3.00	4.0	8.0	2.0	0.35	1.80	7.5	1.5	1.5

Formation of Type Designation 类型命名的形成



① Series Nmber 系列名称: 6125 (尺寸) SB (慢断) **Packaging 包装**

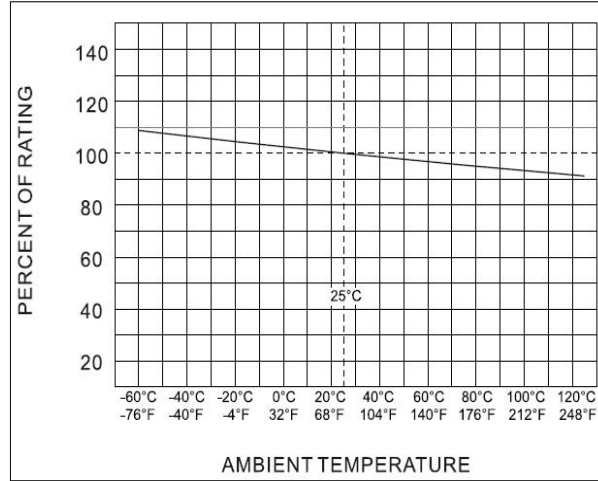
② Ampere rating 额定电流: 2A

③ Voltage Rating 额定电压: 250V

On Tape: 6125SB-2500pcs Per Reel, 20000pcs Outer Box

Type 6125SB/Slow Blow Brick Chipfuse

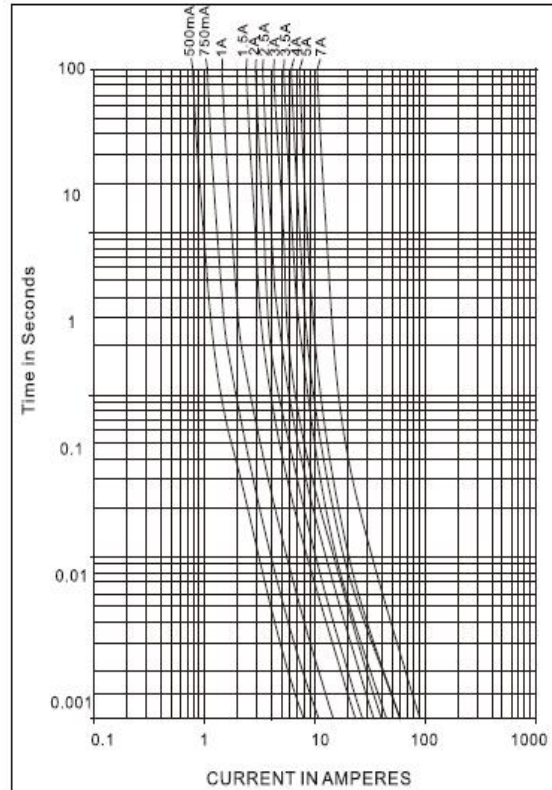
Temperature Derating Curve 额定温度曲线



Note:

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

Time-Current Characteristics 熔断时间特性表



Type 6125SB/Slow Blow Brick Chipfuse

Soldering Parameters 焊接参数

Reflow Condition		Pb-Free assembly
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 ^{-0/-5} °C
Time within 5°C of actual peak Temperture(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

