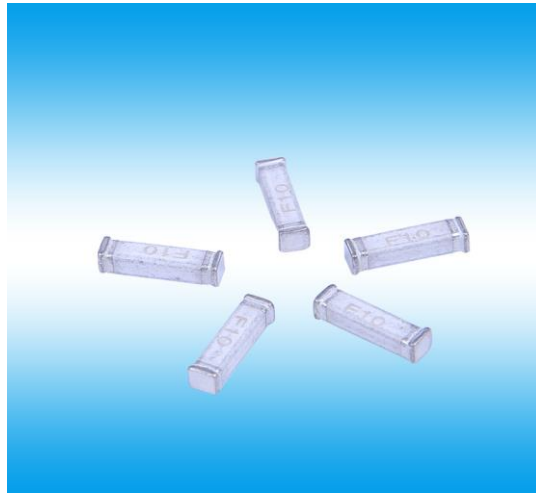


Type 1025FA/Fast Acting Brick Chipfuse

1025FA系列/快断方型保险丝



Description

- Fast acting surface-mount fuse
快断表面贴装保险丝
- Satisfies the EIA/IS-722 Standard
符合EIA/IS-722标准
- Solder immersion compatible
浸焊兼容

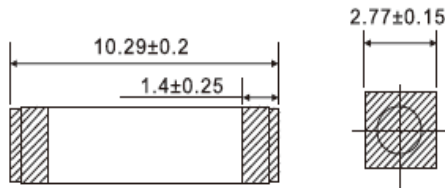
Features产品特征

- 250VAC voltage rating
250VAC额定电压
- Fast acting
快断
- RoHS compliant
符合RoHS要求

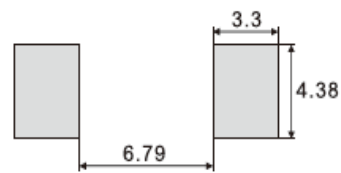
Applications产品应用

- 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

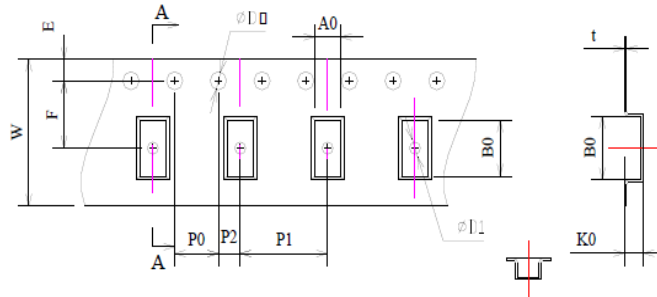
Electrical Characteristics熔断特性		
Ampere Rating	% of Amp Rating	Opening Time
250mA-15A	100%	4 Hours Minimum
250mA-5A	200%	5 Seconds Maximum
250mA-5A	250%	1 Seconds Maximum
7A-15A	200%	20 Seconds Maximum
7A-15A	250%	4 Seconds Maximum

Type 1025FA/Fast Acting Brick Chipfuse

Electrical Specifications 电气特性

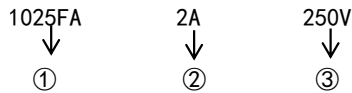
Catalog Number	Ampere Rated In	Marking	Voltage Rating(V) Interrupting Rating (A)	Norminal Resistance Cold(Ohm)	Norminal Melting $I^2T(A^2sec)$
1025FA250mA	250mA	F0.25	50A@250VAC 50A@125VDC	5.0000	0.121
1025FA500mA	500mA	F0.5		1.2000	0.042
1025FA750mA	750mA	F0.75		0.6000	0.143
1025FA1A	1A	F1		0.3000	1.75
1025FA1.5A	1.5A	F1.5		0.1040	1.46
1025FA2A	2A	F2		0.0800	6.086
1025FA2.5A	2.5A	F2.5		0.0510	8.48
1025FA3A	3A	F3		0.0390	18.15
1025FA3.5A	3.5A	F3.5		0.3000	17.83
1025FA4A	4A	F4		0.0270	23.32
1025FA5A	5A	F5		0.0200	38.74
1025FA7A	7A	F7		0.0116	138
1025FA10A	10A	F10		0.0076	457
1025FA12A	12A	F12	50A@250VAC 50A@60VDC	0.0055	498
1025FA15A	15A	F15		0.0041	1451

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
1025FA	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



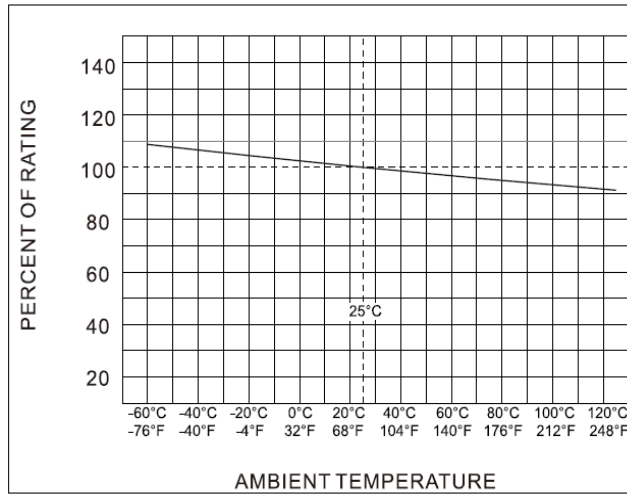
- ① Series Number 系列名称:1025FA
- ② Ampere rating 额定电流:2A
- ③ Voltage Rating 额定电压:250V

Packaging 包装

On Tape:1025FA-2500pcs Per Reel,15000pcs Outer Box

Type 1025FA/Fast Acting Brick Chipfuse

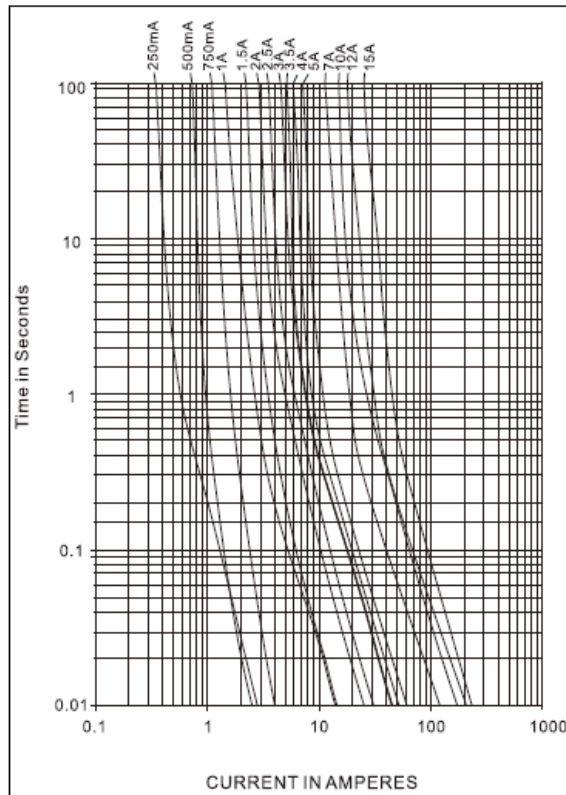
Temperature Rerating Curve 额定温度曲线



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 1025FA/Fast Acting 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		5°C/second max
T_s (max)to T_L -Ramp-up Rate		5°C/second max
Reflow	-Temperature(T_L)(Liquidus)	217°C
	Time(Min to Max)(t_L)	60-90 seconds
Peak Temperature(T_p)		250 ^{-0/-5} °C
Time within 5°C of actual peak Temperature(t_p)		20-40 seconds
Ramp-down Rate		6°C/second max
Time 25°C to peak Temperature(T_p)		8 minutes max.
Do not exceed		260°C

