

COMPONENTS CATALOG

元件产品目录

www.lanbaofuse.cn



保護器件 民族品牌



品质—— 是获得信任的砝码，是竞争致胜关键，是永无止境的追求，价值和尊严的起点。

Quality is the weight to gain trust, the key to win the competition, the starting point of endless pursuit, value and dignity.

长久以来，蓝宝与全球主流电子制造商，建立了坚实的信赖合作关系，

顾客满意是我们永远不变的宗旨，提供一流的服务，让顾客完全满意

For a long time, Lanbao has established a solid and reliable cooperative relationship with the world's mainstream electronics manufacturers. Customer satisfaction is our eternal tenet, to provide first-class service, let customers completely satisfied

本型录刊载内容及技术数据或资料若有更改或错误将不在另行通知，以公司内部资料为准。

In keeping with our policy of constant product refinement, we reserve the right to make product changes at any time without prior notice. For more information please visit us at www.walterfuse.com

保護器件 民族品牌

保险丝 | 温控器 | 温度传感器 | 电流感测电阻

GROUP INTRODUCTION

公司简介

蓝宝公司是一家研发生产销售电流保险丝、片式精密电流感测电阻、温度开关、温度传感器的民

营企业，安规类产品取得 UL、VDE、CCC，CQC、KC，PSE、CB 等相关认证，所有产品符合

RoHS 指令和 REACH法规要求，公司通过了ISO9001、ISO14001体系认证。产品广泛应用于数

码、电源、通讯、家用电器、光伏产品、LED照明、新能源汽车、交通、仪器仪表、电动工具

及其它各种电子电力电源和系统的保护

2019

与韩国东宇公司合作开发电流感测电阻

2011

韩国分公司成立

2010

深圳销售公司（深圳市蓝宝安科电子有限公司）成立

2005

江苏常州工厂投产

2003

中山蓝宝电器工厂投产

2003

蓝宝电器（香港）有限公司成立


ISO14001 环境管理
体系认证

ISO9001 质量管理
体系认证

	Series No. 型號	Fuse Size 尺寸	Voltage 電壓	Characteristic 特性	Safety Approvals 安規認證	Page No. 頁數
Surface Mount Fuses / 貼片式保險絲						
	0603FF	1.6x0.80mm	DC 32V	Fast Acting Type		01
	0603TD	1.6x0.80mm	DC 32V	Time-Lag Type		02
	1206FF	3.2x1.6mm	DC 24V/32V/63V/72V	Fast Acting Type		03
	1206TD	3.2x1.6mm	DC 24V/32V/63V/72V	Time-Lag Type		04
	6125FA	6.1x2.5mm	DC 65V 125V AC250V 300V	Fast Acting Type	    	05
	6125SB	6.1x2.5mm	DC 65V 125V AC250V 300V	Time-Lag Type	    	06
	1025SB	10.25x3.2mm	DC 125V AC 250V	Time-Lag Type		07
	1032SF	10.25x3.2mm	DC 72V 100V AC125V 250V 600V	Fast Acting Type		08
	1032ST	10.25x3.2mm	DC 72V 100V AC125V 250V 600V	Time-Lag Type		09
Subminiature Fuses / 超小型保險絲						
	TB/TR	8.5x5x4mm	AC 250V / 300V / 400V	Time-Lag Type	     	10
Micro Fuses / 微型保險絲						
	1TS	3.0x7.8mm	AC 250V	Time-Lag Type	    	11
Ceramic Tube Fuses / 陶瓷管保險絲						
	RTI-10	3.6x10mm	AC 250V	Time-Lag Type	    	12
	RFI-10	3.6x10mm	AC 250V	Fast Acting Type	    	13
	RTI-20	5.2x20mm	AC 250V	Time-Lag Type	     	14
	RFI-20	5.2x20mm	AC 250V	Fast Acting Type	     	15
	RTI-30	6.35x31.75mm	AC 250V	Time-Lag Type	  	16
	RFI-30	6.35x31.75mm	AC 250V	Fast Acting Type	  	17
Glass Tube Fuse / 玻璃管保險絲						
	RTI-10	3.6x10mm	AC 250V	Fast Acting Type	    	18
	RFI-10	3.6x10mm	AC 250V	Time-Lag Type	    	19
	RTI-20	5.2x20mm	AC 250V	Fast Acting Type	     	20
	RFI-20	5.2x20mm	AC 250V	Time-Lag Type	     	21
	RTI-30	6.35x31.75mm	AC 250V	Fast Acting Type	  	22
	RFI-30	6.35x31.75mm	AC 250V	Time-Lag Type	  	23
Ceramic Power Fuses / 電力保險絲						
	LB630	6.3x32mm	AC DC 750V	High pressure Type		24
	LB1038	10x38mm	AC DC 750V/1000V	High pressure Type		25

Series No. 型號	Fuse Size 尺寸	Voltage 電壓	Characteristic 特性	Safety Approvals 安規認證	Page No. 頁數
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Current Sensing Resistors / 電流感測電阻

	LMF	Metal Foil Type	—	—	—	26
	LMR	Metal Plate Type	—	—	—	27



Fuse Resistor / 保险丝电阻

	RXF21 0207 0309	—	0.1 Ω ~100 Ω	SMD Fuse Resistor	—	28
	RXF21 插件	—	0.25W~2W	DIP Fuse Resistor	—	29

Auto Fuse / 插片保险丝

	0311	—	32V/58V	Auto Fuse		30
	0312	—	32V/58V	Auto Fuse		31

Fuses Holder / 保险丝座

	FH501/511/601	5.2x20mm 6.3x32mm	10A AC 250V	—		32
	PL511/611 CL301/202	5.2x20mm 6.3x32mm	<10A AC 250V	—		33

Thermostat / 温控器

	17AM(17AM+PTC)	—	—	—	—	34
	17AMT发热丝系列	—	—	—	—	35
	KW系列	—	—	—	—	36
	KW02系列	—	—	—	—	37
	3MP/6AP	—	—	—	—	38
	RFI-30	—	—	—	—	39

Temperature Sensor / 温度传感器

	LBA1/A2	—	—	—	—	40
	LBA3/A4	—	—	—	—	41

Surface Mount Fuses
SMD 0603FF Series / 1.6×0.8mm, Fast Acting Type



I-T Characteristics / 时间-电流特性

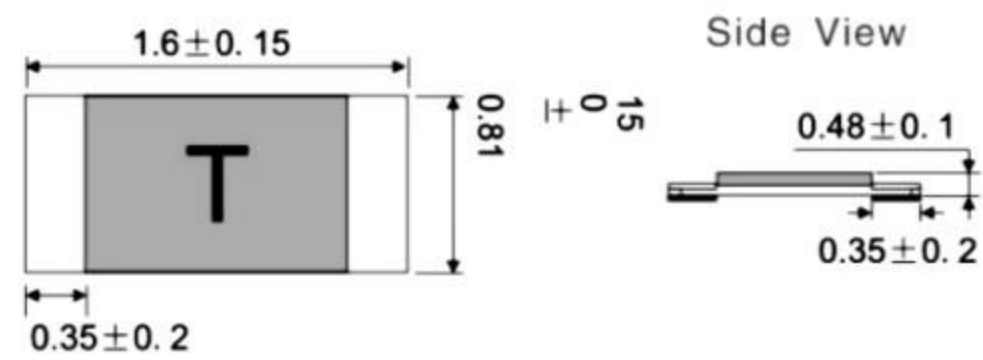
RATED CURRENT	1 IN/倍	2.0 IN/倍
	Min.	Max.
200mA~8A	4hrs	60sec



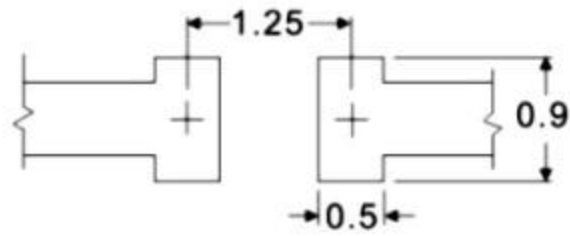
Product Features / 产品特性

Materials 材质	Body/本体: Silver/银 Substrate/基板: Alumina ceramic/氧化铝陶瓷基板 Electrode/电极: Silver/银, Cu/铜, Ni/镍, Sn/锡 (Termination with Silver nickel and Pure-tinsolder plating/电极端面为镀镍及无铅锡)
Operating Temperature 操作温度	-55℃ to + 125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	T/熔锡温度=245℃ ± 5℃, t/浸锡时间=5+0/-0.5s, cover/覆盖率≥95%
Resistance to soldering Heat 耐焊接热	T/熔锡温度=250℃ ± 5℃, t/浸锡时间=30s ± 5s
Recommended Soldering Parameters 建议焊锡参数"	260℃, 10s Max. (Compatible with both wave and Solder-reflow/ 可用于波峰焊和回流焊制程)
Storage Conditions 储存条件	在温度+10℃~40℃、相对湿度≤75%的密闭条件下可存放 2 年。 Can be stored for 2 year under tight seal condition at temperature+10℃~40℃、relative humidity≤75% 在温度+10℃~40℃、相对湿度为 95%的非露天下最多可存放 30 天。 At most can be kept 30 days at temperature +10℃~40℃, relative humidity≤95% under covered conditions

Dimensions / 尺寸图 (uint/单位: mm)



Recommended Pad Layout(mm)



Electrical Characteristics / 电气特性

Part No. 料号	Rated Voltage 额定电压	Rated Current 额定电流(A)	Breaking Capacity(A) 分断能力	Typical Cold. Resistance (mOhms) ² 标准冷电阻	Typical Pre-Arcing I ² t(A ² Sec) 熔化热值	Marking 标记	Safety Approvals 安全认证
0603FF250mA	DC32V/63V	250mA	50A@63Vdc 50A@32Vdc	3250	0.00042	D	●
0603FF375mA		375mA		1800	0.00093	E	●
0603FF500mA		500mA		1070	0.001	F	●
0603FF750mA		750mA		470	0.009	G	●
0603FF1A		1A	50A@32Vdc	250	0.011	B	●
0603FF1.5A		1.5A		150	0.045	H	●
0603FF2A	DC32V	2A		78	0.115	K	●
0603FF2.5A		2.5A		49	0.14	L	●
0603FF3A		3A		35	0.21	O	●
0603FF3.5A		3.5A		28	0.5	R	●
0603FF4A		4A		18	0.56	S	●
0603FF5A		5A		14	1.2	T	●
0603FF6A		6A		11	1.7	V**	●
0603FF7A		7A		9.5	2.3	X**	●
0603FF8A		8A		7	3.0	Z**	●

Surface Mount Fuses
SMD 0603TD Series / 1.6×0.8mm,Time-Lag Type



I-T Characteristics / 时间-电流特性

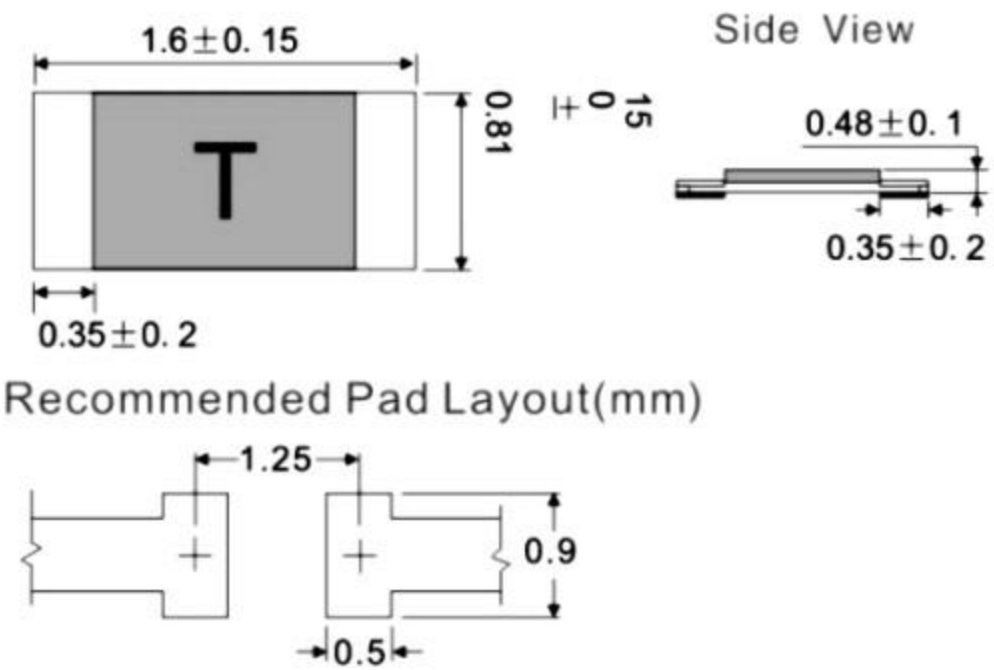
RATED CURRENT	1 IN/倍	2.0 IN/倍	2.5 IN/倍
1A to 8A	Min.	Max.	Max.
	4hrs	60s	5s



Product Features / 产品特性

Materials 材质	Body/本体: Silver/银 Substrate/基板: Alumina ceramic/氧化铝陶瓷基板 Electrode/电极: Silver/银, Cu/铜, Ni/镍, Sn/锡 (Termination with Silver nickel and Pure-tinsolder plating/ 电极端面为镀镍及无铅锡)
Operating Temperature 操作温度	-55℃ to + 125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	T/熔锡温度=245℃ ± 5℃, t/浸锡时间=5+0/-0.5s, cover/覆盖率≥95%
Resistance to soldering Heat 耐焊接热	T/熔锡温度=250℃ ± 5℃, t/浸锡时间=30s ± 5s
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Dimensions / 尺寸图 (uint/单位: mm)



Electrical Characteristics / 电气特性

Part No. 料号	Rated Voltage 额定电压	Rated Current 额定电流(A)	Breaking Capacity(A) 分断能力	Typical Cold. Resistance (mOhms) ² 标准冷电阻	Typical Pre-Arcing I ² t(A ² Sec) 熔化热值	Marking 标记	Safety Approvals 安全认证
0603TD1A	DC32V/63V	1A	50A@63Vdc	250	0.011	B	●
0603TD1.5A		1.5A	50A@32Vdc	150	0.045	H	●
0603TD2A		2A	50A@32Vdc	78	0.115	K	●
0603TD2.5A	DC32V	2.5A		49	0.14	L	●
0603TD3A		3A		35	0.28	O	●
0603TD3.5A		3.5A		28	0.5	R	●
0603TD4A		4A		18	0.6	S	●
0603TD5A		5A		14	1.9	T	●
0603TD6A		6A		11	2.3	V**	●
0603TD7A		7A		95	3	X**	●
0603TD8A		8A		7	4.5	Z**	●

Surface Mount Fuses
SMD 1206FF Series / 3.2×1.6mm, Fast Acting Type

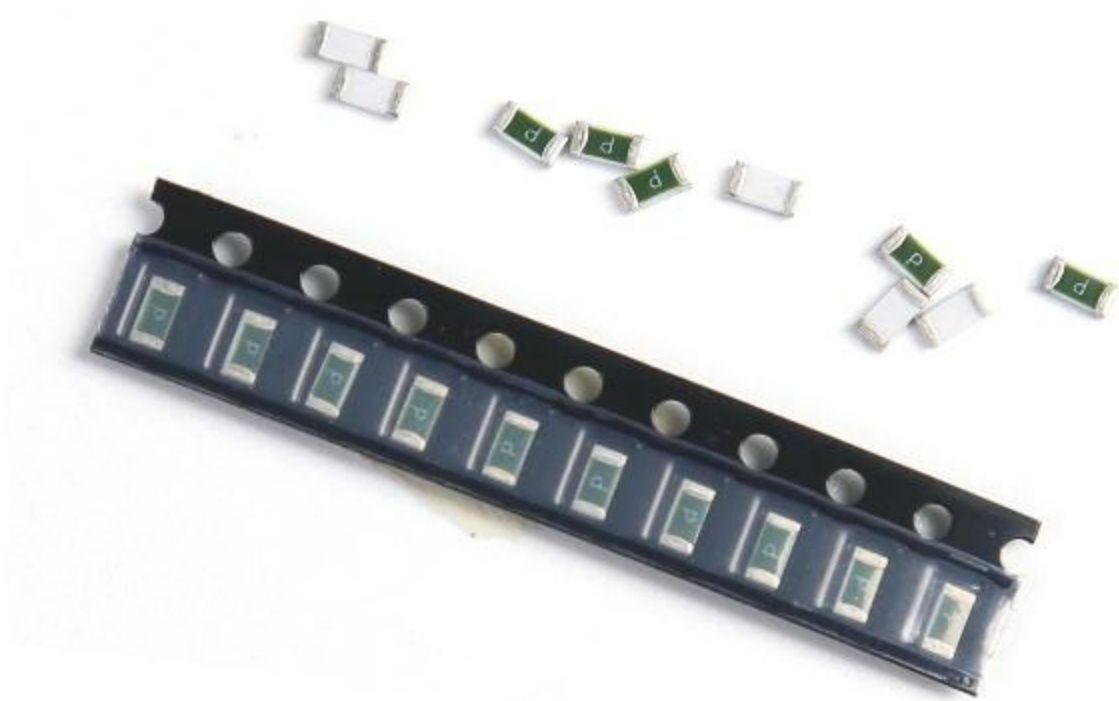


I-T Characteristics / 时间-电流特性

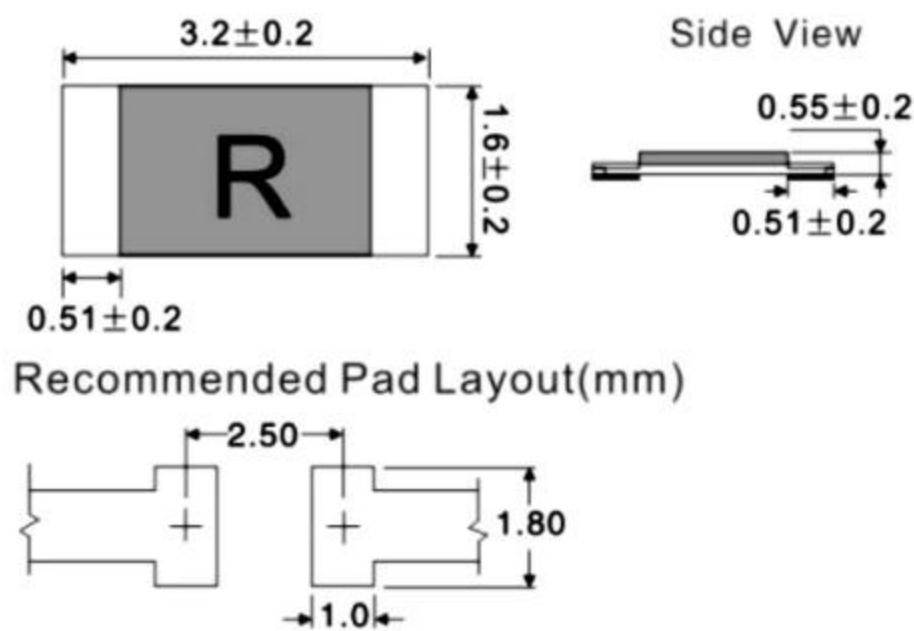
RATED CURRENT	1 IN/倍	2.5 IN/倍	3.5 IN/倍
	Min.	Max.	Max.
250mA~5A 6A~30A	4hrs	5sec	- 5sec

Product Features / 产品特性

Materials 材质	Body/本体: Silver/银 Substrate/基板: Alumina ceramic/氧化铝陶瓷基板 Electrode/电极: Silver/银, Cu/铜, Ni/镍, Sn/锡 (Termination with Silver nickel and Pure-tinsolder plating/电极端面为镀镍及无铅锡)
Operating Temperature 操作温度	-55℃ to + 125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	T/熔锡温度=245℃ ± 5℃, t/浸锡时间=5+0/-0.5s, cover/覆盖率≥95%
Resistance to soldering Heat 耐焊接热	T/熔锡温度=250℃ ± 5℃, t/浸锡时间=30s ± 5s
Recommended Soldering Parameters 建议焊锡参数"	260℃, 10s Max. (Compatible with both wave and Solder-reflow/ 可用于波峰焊和回流焊制程)
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Dimensions / 尺寸图 (uint/单位: mm)



Electrical Characteristics / 电气特性

Part No. 料号	Rated Voltage 额定电压	Rated Current 额定电流(A)	Breaking Capacity(A) 分断能力	Typical Cold Resistance (mOhms) ² 标准冷电阻	Typical Pre-Arcing I ² t(A ² Sec) 熔化热值	Marking 标记	Safety Approvals 安全认证
1206FF250mA	DC 24V	250mA	50A@72Vdc 50A@63Vdc 150A@32Vdc 300A@24Vdc	3.608ohm	0.0004	0.25	●
1206FF375mA		375mA		1.882ohm	0.0008	E	●
1206FF500mA		500mA		1.028ohm	0.0022	0.5	●
1206FF750mA		750mA		601	0.0057	0.75	●
1206FF1A		1A		490	0.10	H	●
1206FF1.5A		1.5A		240	0.15	K	●
1206FF2A		2A		132	0.41	N	●
1206FF2.5A		2.5A		77	0.65	O	●
1206FF3A		3A		48	1.39	P	●
1206FF3.5A	DC 24V	3.5A	150A@32Vdc 300A@24Vdc	40	1.68	R	●
1206FF4A		4A		35	1.73	S	●
1206FF4.5A		4.5A		30	2.62	X	●
1206FF5A	AC 125V	5A	150A@32Vdc 300A@24Vdc	25	2.89	T	●
1206FF6A		6A		16.5	11	F	●
1206FF7A		7A		12	12.5	7	●
1206FF8A	DC 24V	8A	150A@32Vdc 300A@24Vdc	8.5	14	M	●
1206FF10A		10A		6.8	20	U	●
1206FF12A		12A		5	11.5	12	●
1206FF15A		15A		3.9	16.5	15	●
1206FF20A		20A		1.8	47.17	20	●
1206FF25A		25A		1.5	32	25	●
1206FF30A		30A		1.25	43	30	●

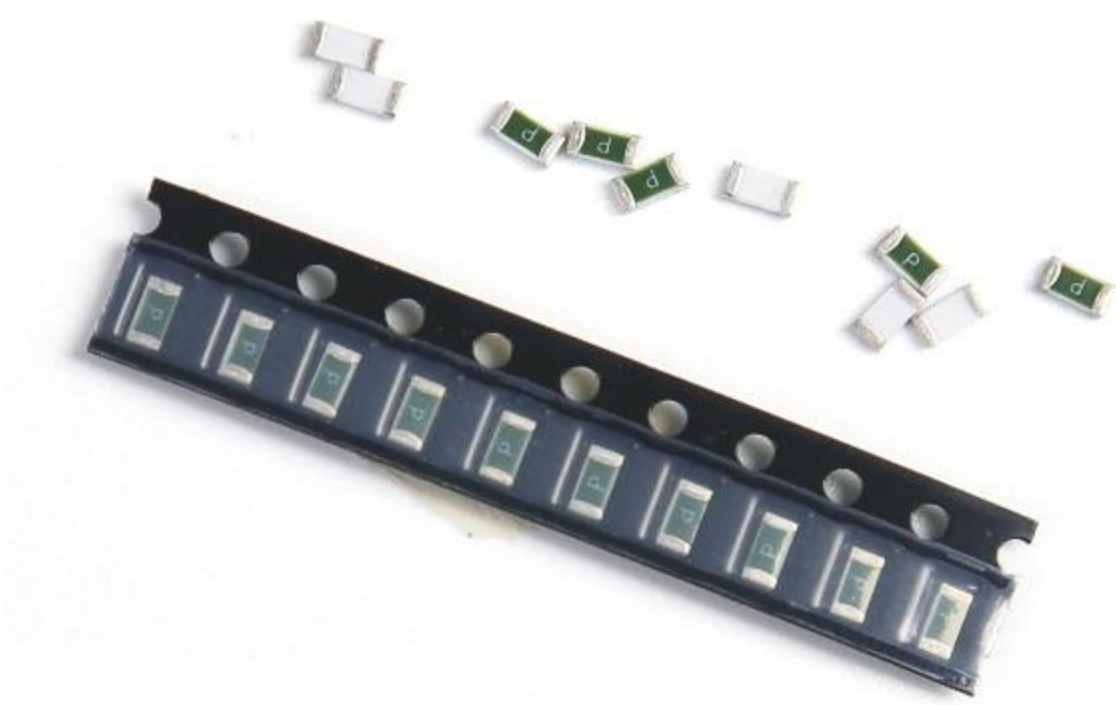
Surface Mount Fuses
SMD 1206TD Series / 3.2×1.6mm, Time-Lag Type

I-T Characteristics / 时间-电流特性

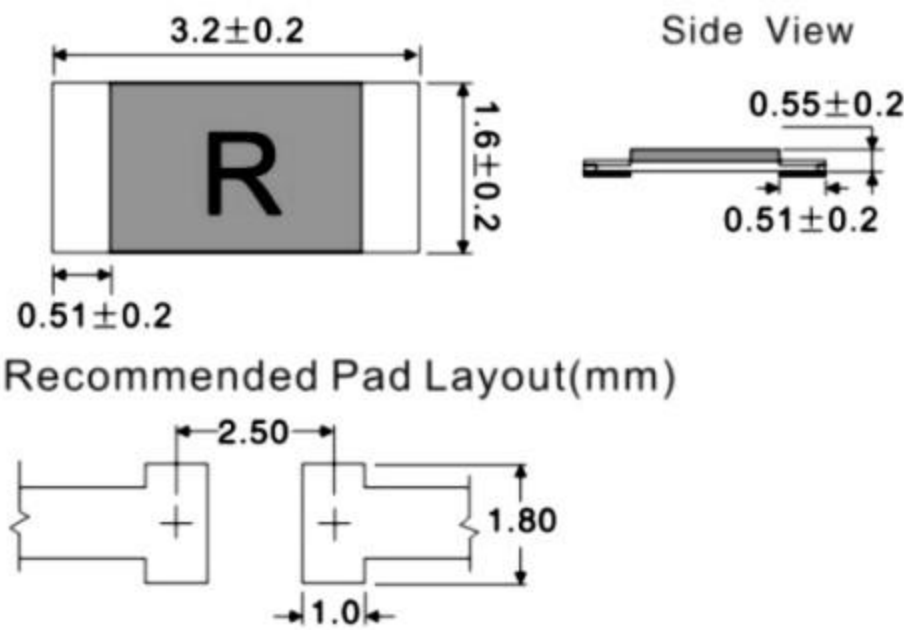
RATED CURRENT	1 IN/倍		2 IN/倍		2.5 IN/倍		3 IN/倍		3.5 IN/倍		10 IN/倍	
	Min.		Min.	Max.	Max.		Min.	Max.	Max.		Min.	Max.
250mA to 3A	4hrs		1sec	60sec	5sec		0.1sec	3sec	—		0.2ms	20ms
3.5A to 5A	4hrs		—	—	5sec		0.1sec	3sec	—		0.2ms	20ms
6A to 30A	4hrs		—	—	—		—	—	5sec		0.2ms	20ms

Product Features / 产品特性

Materials 材质	Body/本体: Silver/银 Substrate/基板: Alumina ceramic/氧化铝陶瓷基板 Electrode/电极: Silver/银, Cu/铜, Ni/镍, Sn/锡 (Termination with Silver nickel and Pure-tinsolder plating/电极端面为镀镍及无铅锡)
Operating Temperature 操作温度	-55℃ to +125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	T/熔锡温度=245℃ ± 5℃, t/浸锡时间=5+0/-0.5s, cover/覆盖率≥95%
Resistance to soldering Heat 耐焊接热	T/熔锡温度=250℃ ± 5℃, t/浸锡时间=30s ± 5s
Recommended Soldering Parameters 建议焊锡参数	260℃, 10s Max. (Compatible with both wave and Solder-reflow/ 可用于波焊焊和回流焊制程)
Storage Conditions 储存条件	在温度+10℃~40℃、相对湿度≤75%的密闭条件下可存放 2 年。 Can be stored for 2 year under tight seal condition at temperature+10℃~40℃、relative humidity≤75% 在温度+10℃~40℃、相对湿度为 95%的非露天下最多可存放 30 天。 At most can be kept 30 days at temperature +10℃~40℃, relative humidity≤95% under covered conditions



Dimensions / 尺寸图 (unit/单位: mm)



Electrical Characteristics / 电气特性

Part No. 料号	Rated Voltage 额定电压	Rated Current 额定电流(A)	Breaking Capacity(A) 分断能力	Typical Cold Resistance (mOhms) ² 标准冷电阻	Typical Pre-Arcing I ² t(A ² Sec) 熔化热值	Marking 标记	Safety Approvals 安全认证
1206TD250mA	DC 24V DC 32V DC 72V DC 125V AC 125V	250mA	50A	3.608ohm	0.0004	0.25	●
1206TD375mA		375mA		1.882ohm	0.0008	E	●
1206TD500mA		500mA		1.028ohm	0.0022	0.5	●
1206TD750mA		750mA		850	0.01	0.75	●
1206TD1A		1A		480	0.11	H	●
1206TD1.25A		1.25A		330	0.15	H	●
1206TD1.5A		1.5A		230	0.17	K	●
1206TD2A		2A		135	0.41	N	●
1206TD2.5A		2.5A		75	0.68	O	●
1206TD3A		3A		47	1.5	P	●
1206TD3.5A	DC 24V DC 32V DC 72V AC 125V	3.5A	50A @ 32Vdc 300A @ 24Vdc 50A @ 32Vdc 300A @ 24Vdc	38	2	R	●
1206TD4A		4A		34	2.5	S	●
1206TD4.5A		4.5A		29	2.65	X	●
1206TD5A		5A		24	4	T	●
1206TD6A		6A		16	12	F	●
1206TD7A		7A		12.3	14	7	●
1206TD10A		10A		6.5	22	U	●
1206TD12A		12A		5	11.5	12	●
1206TD15A		15A		3.7	16.5	15	●
1206TD20A		20A		3.4	50	Q	●
1206TD25A	DC 24V	25A	300A @ 24Vdc 150A @ 32Vdc	1.6	60	L	●
1206TD30A		30A		1.3	100	Z	●

Surface Mount Fuses
6125FA Series / 6.1×2.5mm, Fast Acting Type



I-T Characteristics / 时间-电流特性

RATED CURRENT	1 IN/倍	2.5 IN/倍	2 IN/倍 ≤10A	2 IN/倍 ≥10A	10 IN/倍	
	Min.	Min.	Max.	Max.	Min.	Max.
500mA to 30A	4Hr	1Hr	5s	20s	1ms	10ms

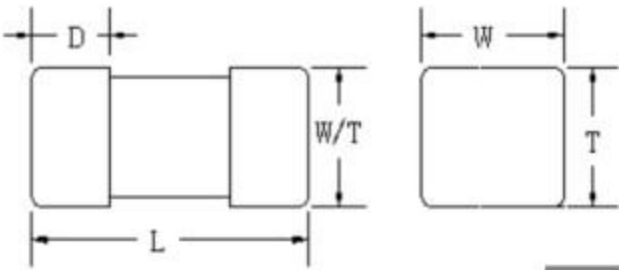
In accordance with UL 248-1/-14 and IEC60127-4 standard / 遵循UL 248-1/-14 和 IEC60127-4



Product Features / 产品特性

Materials 材质	Body/本体: Ceramic tube/陶瓷管 Cap/铜帽: Brass with silver plated/黄铜镀银/黄铜镀金 Element/熔丝: Alloy/合金线 Filler/填充物: Quartz sand/石英砂 (可选项/optional)
Operating Temperature 操作温度	-55℃ to + 125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	T/熔锡温度=240℃ ± 5℃, t/浸锡时间=3+0/-0.5s, cover/覆盖率≥95%
Resistance to soldering Heat 耐焊接热	T/熔锡温度=260℃ ± 5℃,t/浸锡时间=10s ± 1s
Recommended Soldering Parameters 建议焊锡参数"	260℃, 10s Max. (Solder-reflow/回流焊)
Storage Conditions 储存条件	在温度+10℃~40℃、相对湿度≤75%的密闭条件下可存放 2 年。 Can be stored for 2 year under tight seal condition at temperature+10℃~40℃、relative humidity≤75% 在温度+10℃~40℃、相对湿度为 95%的非露天下最多可存放 30 天。 At most can be kept 30 days at temperature +10℃~40℃, relative humidity≤95% under covered conditions

Dimensions / 尺寸图 (uint/单位: mm)



L(mm)	W(mm)	T(mm)	D(mm)
6.10 ± 0.30	2.50 ± 0.20	2.50 ± 0.20	1.45 ± 0.20

Electrical Characteristics / 电气特性

Rated Current 额定电流(A)	Rated Voltage 额定电压	Breaking Capacity 分断能力	Safety Approvals 安全认证				
50mA	DC 65V/125V AC 125V250V/300	UL: 65V/125V DC 100A 250V/300V AC 100A	●	◎	◎	◎	◎
100mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
125mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
160mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
200mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
250mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
315mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
400mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
500mA	DC 65V/125V AC 125V250V/300		●	●	●	◎	●
630mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
750mA	DC 65V/125V AC 125V250V/300	TUV&CQC: 规格 ≤3.15A 125V DC 35A 250V AC 35A 规格 > 3.15A 10 IN/125V DC 10 IN/250V DC	●	◎	◎	◎	◎
800mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
1A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
1.25A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
1.6A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
2A	DC 65V/125V AC 125V250V/300	PSE: 250V AC 100A	●	●	●	●	●
2.5A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
3A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
3.15A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
4A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
5A	DC 65V/125V AC 125V250V/300	KC: 规格 ≤3.15A 250V AC 35A 规格 > 3.15A 10 IN/250V AC	●	●	●	●	●
6.3A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
7A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
8A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
10A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
12A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
12.5A	DC 65V/125V AC 125V250V/300		●	●	●	●	◎
15A	DC 65V/125V AC 125V250V/300		●	●	●	●	◎
16A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
18A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
20A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
25A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
30A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎

Surface Mount Fuses
6125SB Series / 6.1×2.5mm,High Inrush Type



I-T Characteristics / 时间-电流特性

RATED CURRENT	1 IN/倍	1.25 IN/倍	2 IN/倍	10 IN/倍	
	Min.	Min.	Max.	Min.	Max.
500mA to 30A	4Hr	1Hr	120s	10ms	60ms

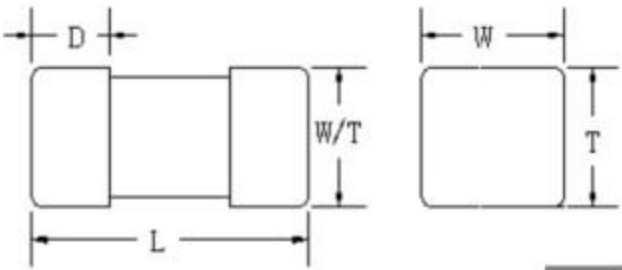
In accordance with UL 248-1/-14 and IEC60127-4 standard / 遵循 UL 248-1/-14 和 IEC60127-4



Product Features / 产品特性

Materials 材质	Body/本体: Ceramic tube/陶瓷管 Cap/铜帽: Brass with silver plated/黄铜镀银 Element/熔丝: Alloy/合金线 Filler/填充物: Quartz sand/石英砂 (可选项/optional)
Operating Temperature 操作温度	-55℃ to + 125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	T/熔锡温度=240℃ ± 5℃, t/浸锡时间=3+0/-0.5s, cover/覆盖率 ≥ 95%
Resistance to soldering Heat 耐焊接热	T/熔锡温度=260℃ ± 5℃,t/浸锡时间=10s ± 1s
Recommended Soldering Parameters 建议焊锡参数"	260℃, 10s Max. (Solder-reflow/回流焊)
Storage Conditions 储存条件	在温度+10℃~40℃、相对湿度 ≤ 75%的密闭条件下可存放 2 年。 Can be stored for 2 year under tight seal condition at temperature+10℃~40℃、relative humidity ≤ 75% 在温度+10℃~40℃、相对湿度为 95%的非露天下最多可存放 30 天。 At most can be kept 30 days at temperature +10℃~40℃, relative humidity ≤ 95% under covered conditions

Dimensions / 尺寸图 (uint/单位: mm)



L(mm)	W(mm)	T(mm)	D(mm)
6.10 ± 0.30	2.50 ± 0.20	2.50 ± 0.20	1.45 ± 0.20

Electrical Characteristics / 电气特性

Rated Current 额定电流(A)	Rated Voltage 额定电压	Breaking Capacity 分断能力	Safety Approvals 安全认证				
			UL US	CCC	CQC	KC	PSE
50mA	DC 65V/125V AC 125V250V/300	UL: 65V/125V DC 100A 250V/300V AC 100A TUV&CQC: 规格 ≤ 3.15A 125V DC 35A 250V AC 35A 规格 > 3.15A 10 IN/125V DC 10 IN/250V DC PSE: 250V AC 100A KC: 规格 ≤ 3.15A 250V AC 35A 规格 > 3.15A 10 IN/250V AC	●	◎	◎	◎	◎
100mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
125mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
160mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
200mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
250mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
315mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
400mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
500mA	DC 65V/125V AC 125V250V/300		●	●	●	◎	●
630mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
750mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
800mA	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
1A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
1.25A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
1.6A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
2A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
2.5A	DC 65V/125V AC 125V250V/300		●	●	●	●	◎
3A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
3.15A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
4A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
5A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
6.3A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
7A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
8A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
10A	DC 65V/125V AC 125V250V/300		●	●	●	●	●
12A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
12.5A	DC 65V/125V AC 125V250V/300		●	●	●	●	◎
15A	DC 65V/125V AC 125V250V/300		●	●	●	●	◎
16A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
18A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
20A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
25A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎
30A	DC 65V/125V AC 125V250V/300		●	◎	◎	◎	◎

Surface Mount Fuses
1025SB Series / 10.25×2.5mm,High Inrush Type



I-T Characteristics / 时间-电流特性

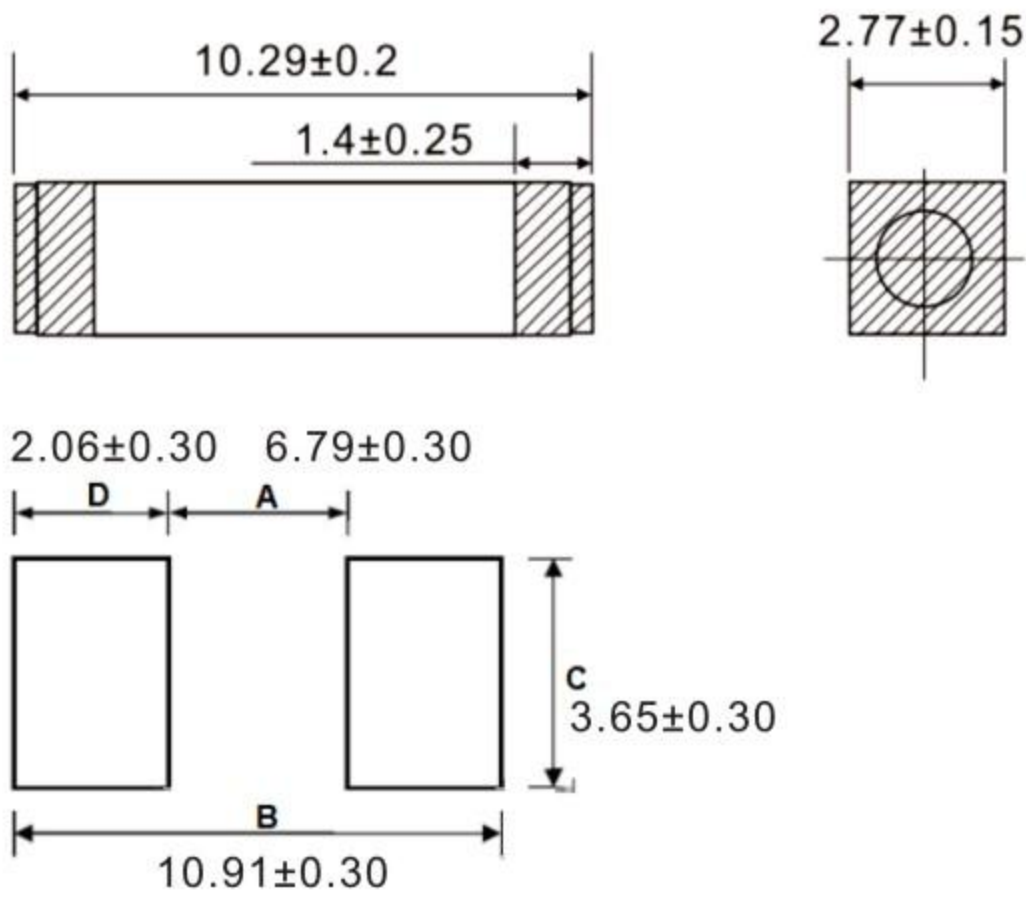
RATED CURRENT	1 IN/倍	2 IN/倍		2.5 IN/倍
	Min.	Min.	Max.	Max.
250mA~30A	4hrs	1sec	60sec	10sec



Product Features / 产品特性

Materials 材质	Body/本体：Ceramic tube/陶瓷管 Cap/铜帽：Brass with silver plated/黄铜镀银 Element/熔丝：Alloy/合金线 Filler/填充物：Quartz sand/石英砂（可选项/optional）
Operating Temperature 操作温度	-55℃ to + 125℃（Consider de-rating/需考虑温度衰减）
Solderability 可焊性	T/熔锡温度=240℃±5℃，t/浸锡时间=3+0/-0.5s， cover/覆盖率≥95%
Resistance to soldering Heat 耐焊接热	T/熔锡温度=260℃±5℃，t/浸锡时间=10s±1s
Recommended Soldering Parameters 建议焊锡参数"	260℃，10s Max.（Solder-reflow/回流焊）
Storage Conditions 储存条件	在温度+10℃~40℃、相对湿度≤75%的密闭条件下可存放 2 年。 Can be stored for 2 year under tight seal condition at temperature+10℃~40℃、relative humidity≤75% 在温度+10℃~40℃、相对湿度为 95%的非露天下最多可存放 30 天。 At most can be kept 30 days at temperature +10℃~40℃， relative humidity≤95% under covered conditions

Dimensions / 尺寸图 (uint/单位：mm)



Electrical Characteristics / 电气特性

Part No. 料号	Rated Voltage 额定电压	Rated Current 额定电流(A)	Breaking Capacity(A) 分断能力	Safety Approvals 安全认证
250mA~30A	250V AC 125V DC	250mA~30A	50A@125V/DC 50A@250V/AC	●

Surface Mount Fuses
1032SF Series / 10.25×3.2mm, Fast Acting Type



I-T Characteristics / 时间-电流特性

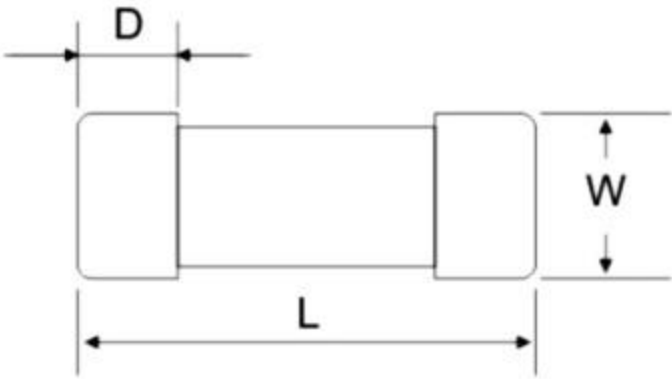
RATED CURRENT	1 IN/倍	2.5 IN/倍
	Min.	Max.
200mA~80A	4hrs	120sec



Product Features / 产品特性

Materials 材质	Body/本体: Ceramic tube/陶瓷管 Cap/铜帽: Brass with silver plated/黄铜镀银 Element/熔丝: Alloy/合金线 Filler/填充物: Quartz sand/石英砂 (可选项/optional)
Operating Temperature 操作温度	-55℃ to + 125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	T/熔锡温度=240℃ ± 5℃, t/浸锡时间=3+0/-0.5s, cover/覆盖率 ≥95%
Resistance to soldering Heat 耐焊接热	T/熔锡温度=260℃ ± 5℃, t/浸锡时间=10s ± 1s
Recommended Soldering Parameters 建议焊锡参数"	260℃, 10s Max. (Solder-reflow/回流焊)
Storage Conditions 储存条件	在温度+10℃~40℃、相对湿度≤75%的密闭条件下可存放 2 年。 Can be stored for 2 year under tight seal condition at temperature+10℃~40℃、relative humidity≤75% 在温度+10℃~40℃、相对湿度为 95%的非露天下最多可存放 30 天。 At most can be kept 30 days at temperature +10℃~40℃, relative humidity≤95% under covered conditions

Dimensions / 尺寸图 (uint/单位: mm)



Rating	L(mm)	W(mm)	D(mm)
40A~80A	12.5 ± 0.5	4.5 ± 0.2	2.7 ± 0.2
1A~30A	10.0 ± 0.5	3.2 ± 0.2	1.7 ± 0.2

Electrical Characteristics / 电气特性

Rated Current 额定电流(A)	Rated Voltage 额定电压	Breaking Capacity 分断能力	Safety Approvals 安全认证
200mA	AC 125V/250V/600V/1000V DC 72V/100V	600A@ 125V/250V/600V/1000V/ AC 600A@ 72V/100V dc	●
250mA			●
315mA			●
400mA			●
500mA			●
630mA			●
800mA			●
1.0A			●
1.25A			●
1.6A			●
2.0A			●
2.5A			●
3.15A			●
4.0A			●
5.0A			●
6.3A			●
8A			●
10A			●
12.5A~80A	AC 125V/250V DC 72V/100V	600A@ 125V/250V AC 600A@ 72V/100V DC	●

Surface Mount Fuses
1032ST Series / 10.25×3.2mm,Time-Lag Type



I-T Characteristics / 时间-电流特性

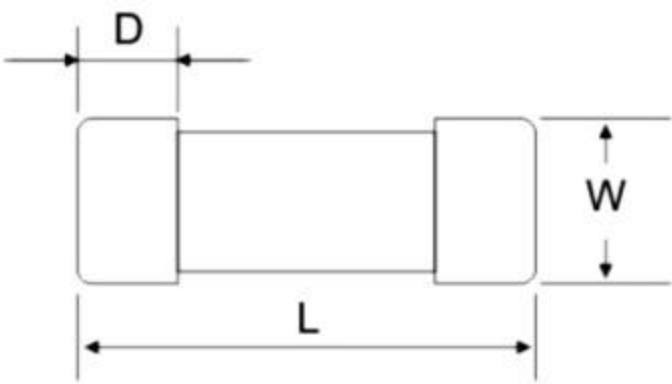
RATED CURRENT	1 IN/倍	2.5 IN/倍	10 IN/倍
	Min.	Max.	Min.
200mA~80A	4hrs	120sec	2ms



Product Features / 产品特性

Materials 材质	Body/本体：Ceramic tube/陶瓷管 Cap/铜帽：Brass with silver plated/黄铜镀银 Element/熔丝：Alloy/合金线 Filler/填充物：Quartz sand/石英砂（可选项/optional）
Operating Temperature 操作温度	-55℃ to +125℃（Consider de-rating/需考虑温度衰减）
Solderability 可焊性	T/熔锡温度=240℃±5℃，t/浸锡时间=3+0/-0.5s， cover/覆盖率≥95%
Resistance to soldering Heat 耐焊接热	T/熔锡温度=260℃±5℃，t/浸锡时间=10s±1s
Recommended Soldering Parameters 建议焊锡参数"	260℃，10s Max.（Solder-reflow/回流焊）
Storage Conditions 储存条件	在温度+10℃~40℃、相对湿度≤75%的密闭条件下可存放2年。 Can be stored for 2 year under tight seal condition at temperature+10℃~40℃、relative humidity≤75% 在温度+10℃~40℃、相对湿度为95%的非露天下最多可存放30天。 At most can be kept 30 days at temperature +10℃~40℃， relative humidity≤95% under covered conditions

Dimensions / 尺寸图 (uint/单位：mm)



Rating	L(mm)	W(mm)	D(mm)
40A~80A	12.5±0.5	4.5±0.2	2.7±0.2
1A~30A	10.0±0.5	3.2±0.2	1.7±0.2

Electrical Characteristics / 电气特性

Rated Current 额定电流(A)	Rated Voltage 额定电压	Breaking Capacity 分断能力	Safety Approvals 安全认证
200mA	AC 125V/250V/600V/1000V DC 72V/100V	600A@ 125V/250V/600V/1000V/ AC 600A@ 72V/100V dc	●
250mA			●
315mA			●
400mA			●
500mA			●
630mA			●
800mA			●
1.0A			●
1.25A			●
1.6A			●
2.0A			●
2.5A			●
3.15A			●
4.0A			●
5.0A			●
6.3A			●
8A			●
10A			●
12.5A~80A	AC 125V/250V DC 72V/100V	600A@ 125V/250V AC 600A@ 72V/100V DC	●

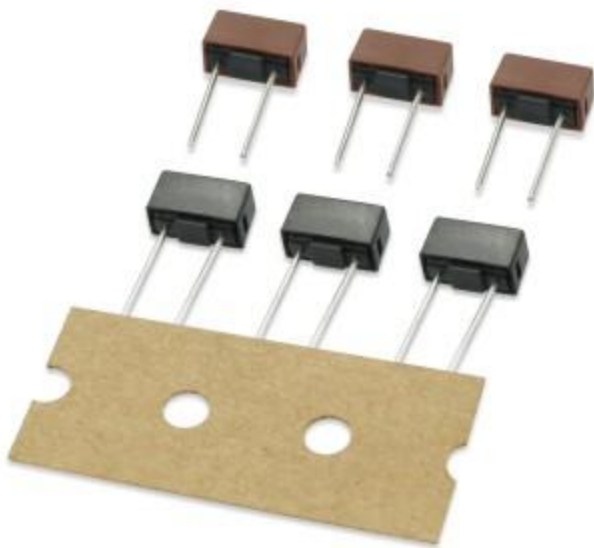
Subminiature Fuses
TB\TR Series / 8.5×5×4mm (Square), Time-Lag Type



I-T Characteristics / 时间-电流特性

RATED CURRENT	2.1 IN/倍	2.75 IN/倍		4 IN/倍		10 IN/倍	
50mA to 10A	Max.	Min.	Max.	Min.	Max.	Min.	Max.
	2min	400ms	10s	150ms	3s	20ms	150ms

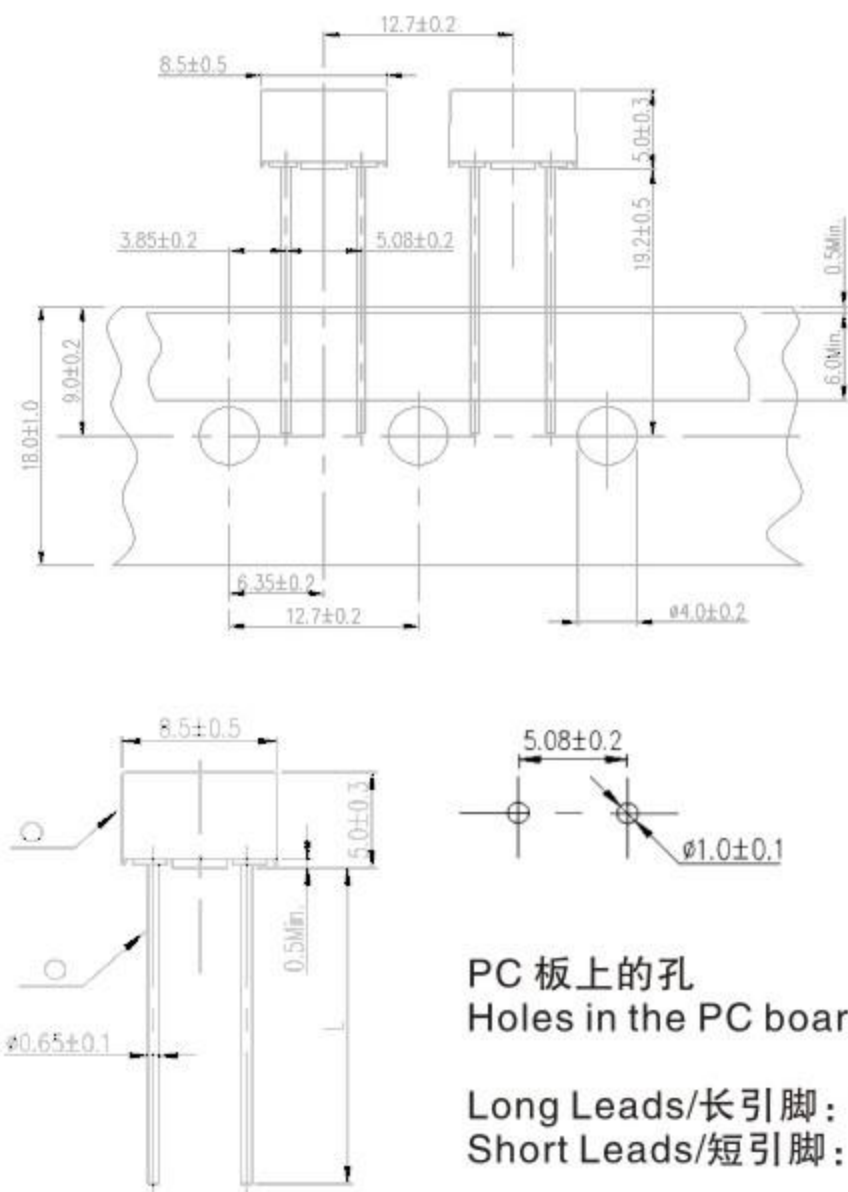
In accordance with IEC60127-3 standard, sheet4 / 遵循 IEC60127-3, 规格单4



Product Features / 产品特性

Materials 材质	Body/本体: Thermoplastic/耐热性塑料 UL94 V-0 Lead/引线: Tinned copper wire/镀锡铜线 Element/熔丝: Alloy/合金线 Filler/填充物: Quartz sand/石英砂 (可选项/optional)
Operating Temperature 操作温度	-55℃ to +125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	260℃, ≤3s (Wave/波峰焊) 350 ± 10℃, ≤3s. (Soldering iron/烙铁焊)
Resistance to soldering Heat 耐焊接热	260℃, 10s (Wave/波峰焊) 350, 5s. (Soldering iron/烙铁焊)
Recommended Soldering Parameters 建议焊锡参数	Wave soldering parameter/波峰焊 Soldering pot temperature/锡炉温度: 260℃ Max Solder dwell time/焊接时间: 2~5s Hand welding parameter/手工焊 Soldering pot temperature/锡炉温度: 350 ± 5℃ Max Solder dwell time/焊接时间: 1~2s Max
Storage Conditions 储存条件	在温度+10℃~60℃、相对湿度≤75%的密闭条件下可存放3年。 Can be stored for 3 year under tight seal condition at temperature+10℃~60℃、relative humidity≤75% 在温度+10℃~60℃、相对湿度为 95%的非露天最多可存放 30天。 At most can be kept 30 days at temperature+10℃~60℃, relative humidity≤95% under covered conditions

Dimensions / 尺寸图 (unit/单位: mm)



PC 板上的孔
Holes in the PC board

Long Leads/长引脚: L=19.2 ± 0.5mm
Short Leads/短引脚: L=4.5 ± 0.5mm

Electrical Characteristics / 电气特性

Rated Current 额定电流(A)	Rated Voltage 额定电压	Breaking Capacity 分断能力	Safety Approvals 安全认证					
			UL US	CCC	PSE	CB	KC	
125mA	250V/300V/400V	UL: 100A@125V/250V 300V/400V AC、 125V/DC	●	●	◎	◎	◎	◎
160mA	250V/300V/400V		●	●	●	●	●	●
200mA	250V/300V/400V		●	●	●	●	●	●
250mA	250V/300V/400V		●	●	●	●	●	●
315mA	250V/300V/400V		●	●	●	●	●	●
400mA	250V/300V/400V		●	●	●	●	●	●
500mA	250V/300V/400V		●	●	●	●	●	●
630mA	250V/300V/400V		●	●	●	●	●	●
800mA	250V/300V/400V	TUV: 100A@200V/400V AC、125V/DC	●	●	●	●	●	●
1A	250V/300V/400V		●	●	●	●	●	●
1.25A	250V/300V/400V		●	●	●	●	●	●
1.6A	250V/300V/400V		●	●	●	●	●	●
2A	250V/300V/400V	CCC&CB&PSE&KC: 35A/50A/63A/250/ AC	●	●	●	●	●	●
2.5A	250V/300V/400V		●	●	●	●	●	●
3.15A	250V/300V/400V		●	●	●	●	●	●
4A	250V/300V/400V		●	●	●	●	●	●
5A	250V/300V/400V		●	●	●	●	●	●
6.3A	250V/300V/400V		●	●	●	●	●	●
8A	250V/300V/400V		●	●	◎	◎	◎	◎
10A	250V/300V/400V		●	●	◎	◎	◎	◎

Micro Fuses Fuses
1TS Series / 3*7mm,Time-Lag Type



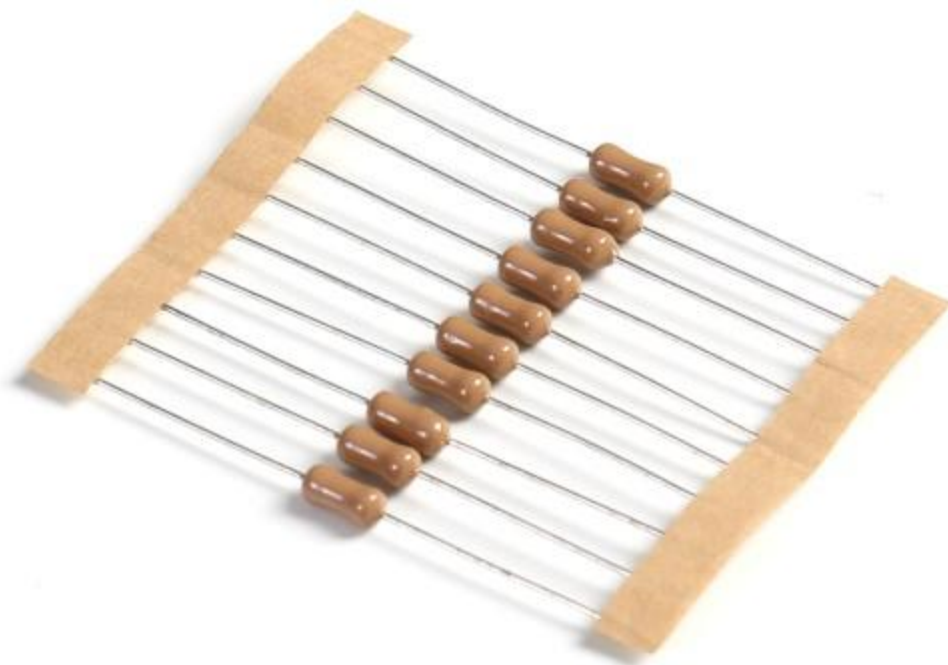
I-T Characteristics / 时间-电流特性

RATED CURRENT	1 IN/倍	2 IN/倍	10 IN/倍
	Min.	Max.	Min.
500mA to 6.3A	4hrs	60s	10ms

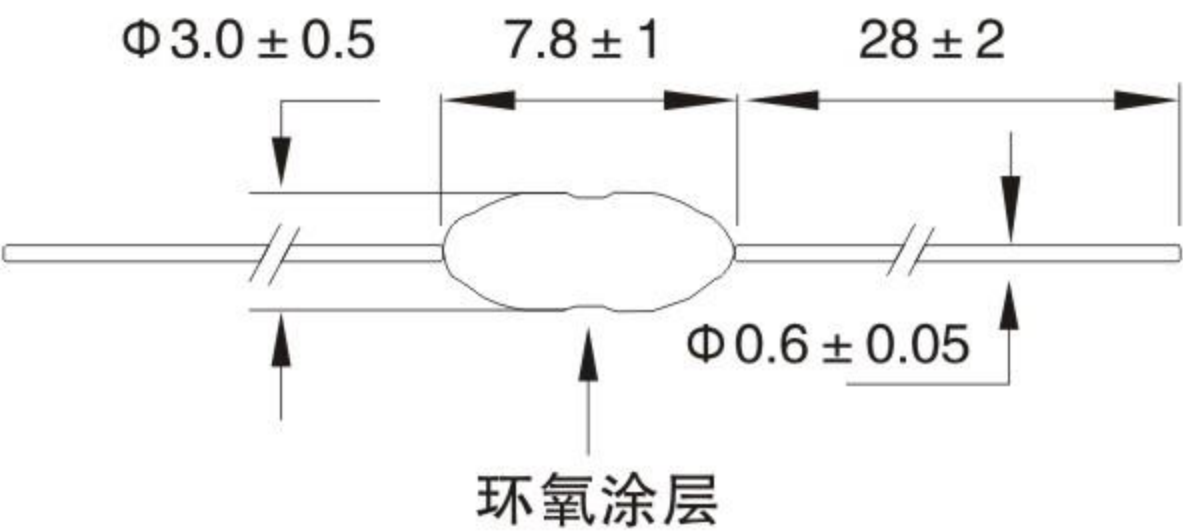
遵循UL 248-1/-14: In accordance with UL 248 -1 / -14 standard

Product Features / 产品特性

Materials 材质	Body/本体: Epoxy Resin/环氧树脂、ceramic tube/陶瓷管 Lead/引线: Tinned copper wire/镀锡铜线 Cap/铜帽: Brass with nickel plated/铜镀镍 Element/熔丝: Alloy/合金线 Filler/填充物: Quartz sand/石英砂 (可选项/optional)
Operating Temperature 操作温度	-55℃ to + 125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	260℃,≤3s (Wave/波峰焊) 350 ± 10℃, ≤3s. (Soldering iron/烙铁焊)
Resistance to soldering Heat 耐焊接热	260℃,10s (Wave/波峰焊) 350, 5s. (Soldering iron/烙铁焊)
Recommended Soldering Parameters 建议焊锡参数"	Wave soldering parameter/波峰焊 Soldering pot temperature/锡炉温度: 260℃ Max Solder dwell time/焊接时间: 2~5s Hand welding parameter/手工焊 Soldering pot temperature/锡炉温度: 350 ± 5℃ Max Solder dwell time/焊接时间: 5s Max
Storage Conditions 储存条件	在温度+10℃~60℃、相对湿度≤75%的密闭条件下可存放 3 年。 Can be stored for 3 year under tight seal condition at temperature+10℃~60℃、relative humidity≤75% 在温度+10℃~60℃、相对湿度为 95%的非露天下最多可存放 30 天。 At most can be kept 30 days at temperature +10℃~60℃, relative humidity≤95% under covered conditions



Dimensions / 尺寸图 (uint/单位: mm)



Electrical Characteristics / 电气特性

Rated Current 额定电流(A)	Rated Voltage 额定电压	Breaking Capacity 分断能力	Safety Approvals 安全认证				
500mA	250V	UL: 500mA-5A 50A@250VAC	●	◎	◎	◎	◎
630mA	250V		●	◎	◎	◎	◎
750mA	250V		●	◎	◎	◎	◎
800mA	250V		●	◎	◎	◎	◎
1A	250V	VDE: 35A@250V AC	●	●	◎	●	●
1.25A	250V	CQC 63A@250V AC	●	◎	◎	◎	◎
1.5A	250V		●	◎	◎	◎	●
1.6A	250V		●	●	◎	●	◎
2A	250V	CCC: ≤3.15A	●	●	◎	●	●
2.5A	250V	35A@250V AC	●	●	◎	●	●
3A	250V	> 3.15A	●	◎	◎	◎	◎
3.15A	250V	10 IN@250V AC	●	●	◎	●	◎
4A	250V	KC: 35A@250V AC	●	◎	◎	◎	◎
5A	250V		●	◎	◎	●	◎
6.3A	250V		●	◎	●	●	◎

Ceramic Tube Fuses
RTI-10(1T) Series / 3.6×10mm,Time-Lag Type



I-T Characteristics / 时间-电流特性

RATED CURRENT	1.5 IN/倍	2 IN/倍	2.75 IN/倍		4 IN/倍		10 IN/倍	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
100mA to 10A	1hrs	2min	400ms	10s	150ms	3s	20ms	150ms

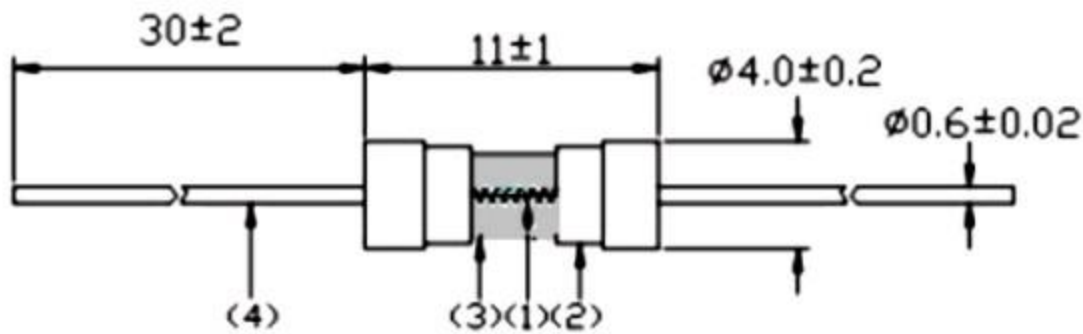


遵循 IEC60127-3，规格单2&4: In accordance with IEC60127-3 standard, sheet 2&4

Product Features / 产品特性

Materials 材质	Body/本体: ceramic tube/陶瓷管 Lead/引线: Tinned copper wire/镀锡铜线 Cap/铜帽: Brass with nickel plated/铜镀镍 Element/熔丝: Alloy/合金线 Filler/填充物: Quartz sand/石英砂 (可选项/optional)
Operating Temperature 操作温度	-55℃ to + 125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	260℃, ≤3s (Wave/波峰焊) 350 ± 10℃, ≤3s. (Soldering iron/烙铁焊)
Resistance to soldering Heat 耐焊接热	260℃, 10s (Wave/波峰焊) 350, 5s. (Soldering iron/烙铁焊)
Recommended Soldering Parameters 建议焊锡参数"	Wave soldering parameter/波峰焊 Soldering pot temperature/锡炉温度: 260℃ Max Solder dwell time/焊接时间: 2~5s Hand welding parameter/手工焊 Soldering pot temperature/锡炉温度: 350 ± 5℃ Max Solder dwell time/焊接时间: 5s Max
Storage Conditions 储存条件	在温度+10℃~60℃、相对湿度≤75%的密闭条件下可存放 3 年。 Can be stored for 3 year under tight seal condition at temperature+10℃~60℃、relative humidity ≤75% 在温度+10℃~60℃、相对湿度为 95%的非露天下最多可存放 30 天。 At most can be kept 30 days at temperature +10℃~60℃, relative humidity ≤95% under covered conditions

Dimensions / 尺寸图 (uint/单位: mm)



Electrical Characteristics / 电气特性

Rated Current 额定电流(A)	Rated Voltage 额定电压	Breaking Capacity 分断能力	Sefety Approvals 安全认证				
500mA	250V	50A@250V AC	●	●	●	●	◎
630mA	250V		●	●	●	●	◎
1A	250V		●	●	●	●	◎
1.25A	250V		●	●	●	●	◎
1.6A	250V		●	●	●	●	◎
2A	250V		●	●	●	●	◎
3.15A	250V		●	●	●	●	●
4A	250V		●	◎	◎	◎	●
5A	250V		●	◎	●	●	●
6.3A	250V	10倍额定电流@250V AC	◎	◎	◎	●	●
10A	250V	10倍额定电流@250V AC	◎	◎	◎	●	◎

Ceramic Tube Fuses
RFI-10(1F) Series / 3.6×10mm, Fast-Acting Type



I-T Characteristics / 时间-电流特性

RATED CURRENT	2 IN/倍	2.75 IN/倍		4 IN/倍		10 IN/倍
	Max.	Min.	Max.	Min.	Max.	Max.
100mA to 5A	30s	10ms	3s	3ms	300ms	20ms

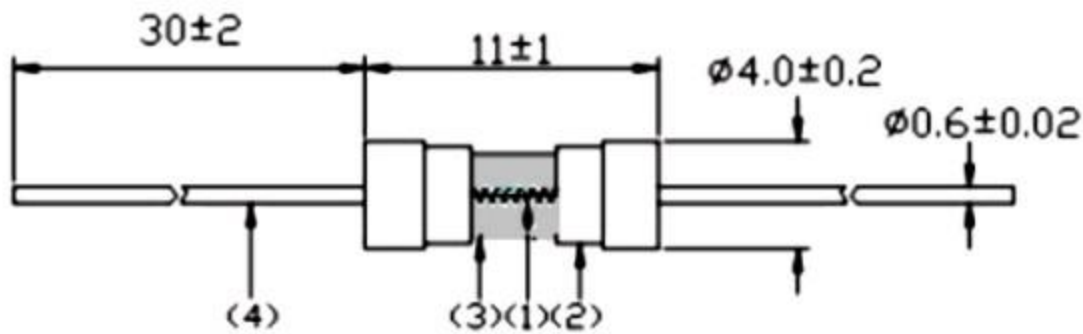
遵循 IEC60127-3，规格单3: In accordance with IEC60127-3 standard, sheet 3



Product Features / 产品特性

Materials 材质	Body/本体: ceramic tube/陶瓷管 Lead/引线: Tinned copper wire/镀锡铜线 Cap/铜帽: Brass with nickel plated/铜镀镍 Element/熔丝: Alloy/合金线 Filler/填充物: Quartz sand/石英砂 (可选项/optional)
Operating Temperature 操作温度	-55℃ to +125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	260℃, ≤3s (Wave/波峰焊) 350 ± 10℃, ≤3s. (Soldering iron/烙铁焊)
Resistance to soldering Heat 耐焊接热	260℃, 10s (Wave/波峰焊) 350, 5s. (Soldering iron/烙铁焊)
Recommended Soldering Parameters 建议焊锡参数	Wave soldering parameter/波峰焊 Soldering pot temperature/锡炉温度: 260℃ Max Solder dwell time/焊接时间: 2~5s Hand welding parameter/手工焊 Soldering pot temperature/锡炉温度: 350 ± 5℃ Max Solder dwell time/焊接时间: 5s Max
Storage Conditions 储存条件	在温度+10℃~60℃、相对湿度≤75%的密闭条件下可存放 3 年。 Can be stored for 3 year under tight seal condition at temperature+10℃~60℃、relative humidity ≤75% 在温度+10℃~60℃、相对湿度为 95%的非露天下最多可存放 30 天。 At most can be kept 30 days at temperature +10℃~60℃, relative humidity ≤95% under covered conditions

Dimensions / 尺寸图 (uint/单位: mm)



Electrical Characteristics / 电气特性

Rated Current 额定电流(A)	Rated Voltage 额定电压	Breaking Capacity 分断能力	Sefety Approvals 安全认证			
100mA	250V	50A@250V AC	●	◎	◎	◎
125mA	250V		●	◎	◎	◎
160mA	250V		●	◎	◎	◎
200mA	250V		●	◎	◎	◎
250mA	250V		●	◎	◎	◎
315mA	250V		●	◎	◎	◎
400mA	250V		●	◎	◎	◎
500mA	250V		●	●	●	◎
630mA	250V		●	◎	◎	◎
1A	250V		●	●	●	●
1.25A	250V		●	◎	◎	◎
1.5A	250V		●	◎	◎	●
1.6A	250V		●	◎	◎	◎
2A	250V		●	●	●	●
2.5A	250V		●	◎	◎	●
3.15A	250V		●	●	●	◎
4A	250V		●	◎	◎	◎
5A	250V		●	●	●	◎

Ceramic Tube Fuses
RTI-20(2T) Series / 5×20mm, Time-Lag Type



I-T Characteristics / 时间-电流特性

Table with 3 columns: RATED CURRENT, Of Ampere Rating (额定电流%), and Opening Time (熔断时间). It lists various current ratings and their corresponding opening times under different conditions.

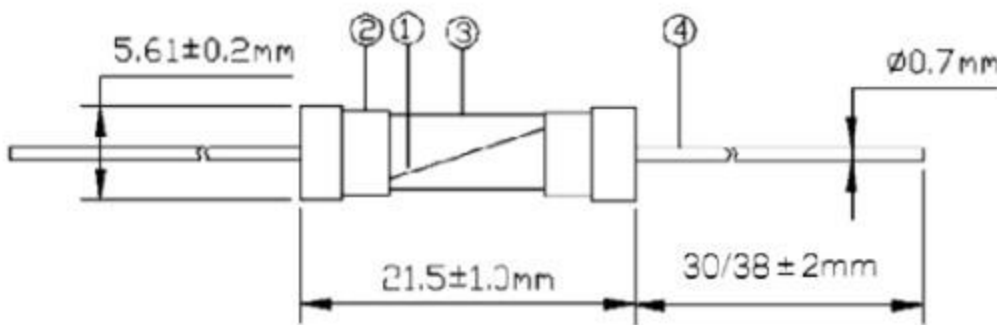


In accordance with IEC60127-2 standard, sheet5 / 遵循 IEC60127-2, 规格单5

Product Features / 产品特性

Table with 2 columns: Feature (e.g., Materials, Operating Temperature, Solderability) and Description. It details the physical and performance characteristics of the fuses.

Dimensions / 尺寸图 (unit/单位: mm)



Electrical Characteristics / 电气特性

Table with 7 columns: Rated Current, Rated Voltage, Breaking Capacity, and Safety Approvals (UL, VDE, CCC, PSE, KC, CQC). It provides a comprehensive list of electrical ratings and the corresponding safety certifications for each.

Ceramic Tube Fuses
RFI-20(2F) Series / 5×20mm, Fast-Acting Type



I-T Characteristics / 时间-电流特性

RATED CURRENT	Of Ampere Rating 额定电流%	Opening Time 熔断时间
100mA to 6.3A	150%	1 Hr Min. / 最短1小时
8A to 16A		30min Min. / 最短30分钟
250mA to 16A	210%	30min Max. / 最长30分钟
250mA to 4A	275%	10ms Min.2s Max. / 最短10毫秒, 最长2秒
5A to 6.3A		10ms Min.3s Max. / 最短10毫秒, 最长3秒
8A to 16A		40ms Min.20s Max. / 最短40毫秒, 最长20秒
250mA to 6.3A	400%	3ms Min.300ms Max. / 最短3毫秒, 最长300秒
8A to 16A		10ms Min.1s Max. / 最短10毫秒, 最长1秒
250mA to 6.3A	1000%	20ms Max. / 最长20毫秒
8A~16A		30ms Max. / 最长30毫秒

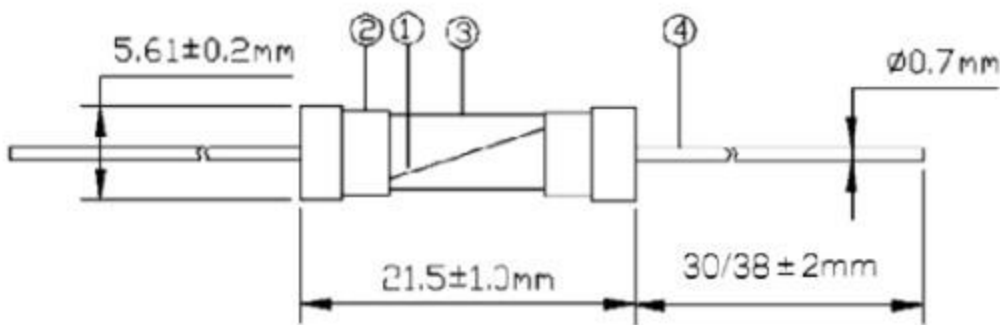


In accordance with IEC60127-2 standard, sheet1 / 遵循 IEC60127-2, 规格单1

Product Features / 产品特性

Materials 材质	Body/本体: ceramic tube/陶瓷管 Lead/引线: Tinned copper wire/镀锡铜线 Cap/铜帽: Brass with nickel plated/铜镀镍 Element/熔丝: Alloy/合金线 Filler/填充物: Quartz sand/石英砂 (可选项/optional)
Operating Temperature 操作温度	-55℃ to +125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	260℃, ≤3s (Wave/波峰焊) 350 ± 10℃, ≤3s. (Soldering iron/烙铁焊)
Resistance to soldering Heat 耐焊接热	260℃, 10s (Wave/波峰焊) 350, 5s. (Soldering iron/烙铁焊)
Recommended Soldering Parameters 建议焊锡参数"	Wave soldering parameter/波峰焊 Soldering pot temperature/锡炉温度: 260℃ Max Solder dwell time/焊接时间: 2~5s Hand welding parameter/手工焊 Soldering pot temperature/锡炉温度: 350 ± 5℃ Max Solder dwell time/焊接时间: 5s Max
Storage Conditions 储存条件	在温度+10℃~60℃、相对湿度≤75%的密闭条件下可存放 3 年。 Can be stored for 3 year under tight seal condition at temperature+10℃~60℃、relative humidity ≤75% 在温度+10℃~60℃、相对湿度为 95%的非露天下最多可存放 30 天。 At most can be kept 30 days at temperature +10℃~60℃, relative humidity≤95% under covered conditions"

Dimensions / 尺寸图 (uint/单位: mm)



Electrical Characteristics / 电气特性

Rated Current 额定电流(A)	Rated Voltage 额定电压	Breaking Capacity 分断能力	Safety Approvals 安全认证					
			UL	VDE	CCC	PSE	KC	CQC
100mA	250V	UL: ≤3.15A 35A@250V AC > 2.5A 100A@250V AC	●	◎	◎	●	◎	◎
200mA	250V		●	◎	◎	●	◎	◎
250mA	250V		●	◎	●	●	◎	●
315mA	250V		●	◎	●	●	◎	●
400mA	250V		●	◎	●	●	◎	●
500mA	250V		●	●	●	●	●	●
630mA	250V	VDE&CCC&KC: ≤3.15A 35A@250V AC > 3.15 10 IN@250V AC	●	●	●	●	●	●
800mA	250V		●	●	●	●	●	●
1.0A	250V		●	●	●	●	●	●
1.25A	250V		●	●	●	●	●	●
1.6A	250V		●	●	●	●	●	●
2.0A	250V		●	●	●	●	●	●
2.5A	250V	PSE 1.25A~10A 100A@250V AC	●	●	●	●	●	●
3.15A	250V		●	●	●	●	●	●
4.0A	250V		●	●	●	●	●	●
5.0A	250V		●	●	●	●	●	●
6.3A	250V		●	●	◎	●	●	◎
8A	250V		◎	●	◎	●	●	◎
10A	250V	CQC ≤3.15A 35A@250V AC > 3.15 10 IN@250V AC	◎	◎	◎	●	◎	●
12.5A~15A	250V		◎	◎	◎	●	◎	●
16A	250V		◎	◎	◎	◎	◎	●

Ceramic Tube Fuses
RTI-30(3T) Series / 6.3×32mm, Time-Lag Type



I-T Characteristics / 时间-电流特性

RATED CURRENT	1.35 IN/倍	2 IN/倍
	Max.	Max.
100mA~20A	1hrs	120sec

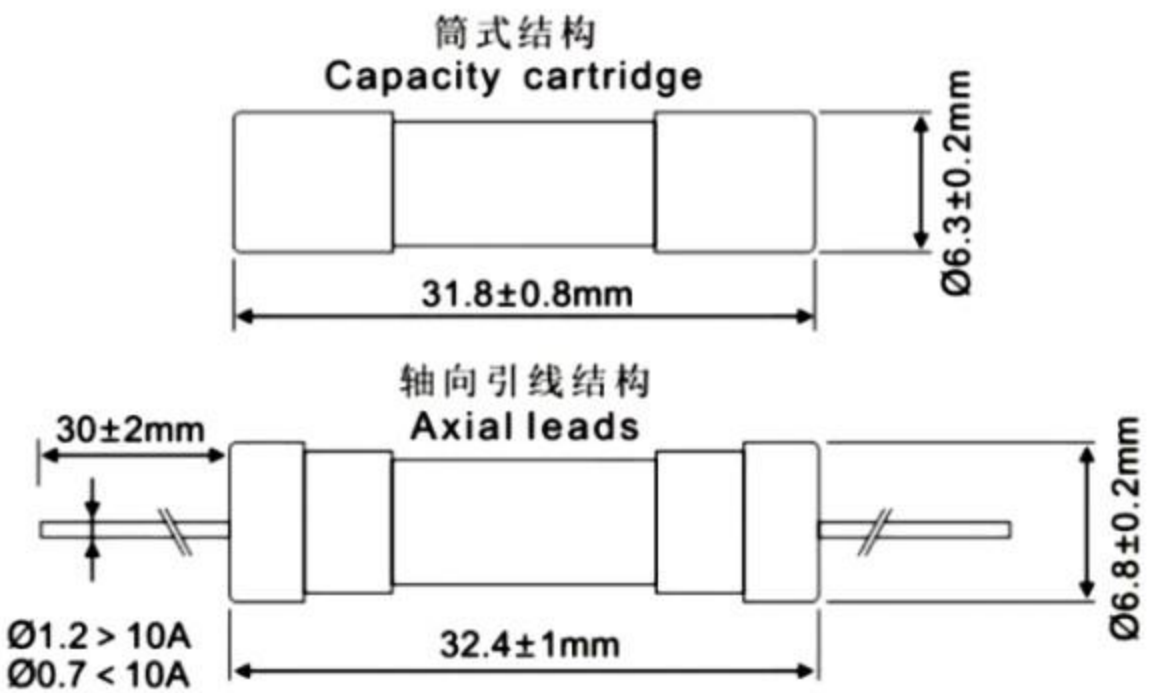
In accordance with UL 248-1 / -14 standard / 遵循 UL 248-1 / -14



Product Features / 产品特性

Materials 材质	Body/本体: ceramic tube/陶瓷管 Lead/引线: Tinned copper wire/镀锡铜线 Cap/铜帽: Brass with nickel plated/铜镀镍 Element/熔丝: Alloy/合金线 Filler/填充物: Quartz sand/石英砂 (可选项/optional)
Operating Temperature 操作温度	-55℃ to +125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	260℃, ≤3s (Wave/波峰焊) 350±10℃, ≤3s. (Soldering iron/烙铁焊)
Resistance to soldering Heat 耐焊接热	260℃, 10s (Wave/波峰焊) 350, 5s. (Soldering iron/烙铁焊)
Recommended Soldering Parameters 建议焊锡参数	Wave soldering parameter/波峰焊 Soldering pot temperature/锡炉温度: 260℃ Max Solder dwell time/焊接时间: 2~5s Hand welding parameter/手工焊 Soldering pot temperature/锡炉温度: 350±5℃ Max Solder dwell time/焊接时间: 5s Max
Storage Conditions 储存条件	在温度+10℃~60℃、相对湿度≤75%的密闭条件下可存放3年。 Can be stored for 3 year under tight seal condition at temperature+10℃~60℃、relative humidity ≤75% 在温度+10℃~60℃、相对湿度为95%的非露天下最多可存放30天。 At most can be kept 30 days at temperature +10℃~60℃, relative humidity ≤95% under covered conditions

Dimensions / 尺寸图 (unit/单位: mm)



Electrical Characteristics / 电气特性

Rated Current 额定电流(A)	Rated Voltage 额定电压	Breaking Capacity 分断能力	Sefety Approvals 安全认证			
100mA	250V	UL: 100mA~20A 100A@250V AC CQC: <3.15A 35A@250V AC 4A~16A 10 IN@250V AC KC: 1.25A~10A 100A@250V AC	●	◎	◎	◎
125mA	250V		●	◎	◎	◎
160mA	250V		●	◎	◎	◎
200mA	250V		●	◎	◎	◎
250mA	250V		●	◎	◎	◎
315mA	250V		●	◎	◎	◎
400mA	250V		●	◎	◎	◎
500mA	250V		●	◎	◎	◎
630mA	250V		●	◎	◎	◎
800mA	250V		●	◎	◎	◎
1A	250V		●	●	◎	●
1.25A	250V		●	◎	◎	●
1.5A	250V		●	◎	◎	●
1.6A	250V		●	●	◎	●
2A	250V		●	◎	◎	●
2.5A	250V		●	◎	◎	●
3.15A	250V		●	◎	◎	●
4A	250V		●	◎	◎	●
5A	250V		●	◎	◎	●
6.3A	250V		●	◎	◎	●
8A	250V		●	●	◎	●
10A	250V		●	●	◎	●
12.5A	250V		●	●	◎	◎
16A	250V		●	●	◎	◎
20A	250V		●	◎	◎	◎

Ceramic Tube Fuses
RFI-30(3F) Series / 6.3×32mm, Fast-Acting Type



I-T Characteristics / 时间-电流特性

RATED CURRENT	1 IN/倍	1.35 IN/倍	2 IN/倍	10 IN/倍
	Min.	Min.	Max.	Max.
100mA to 21A	4hrs	1hrs	120sec	10ms

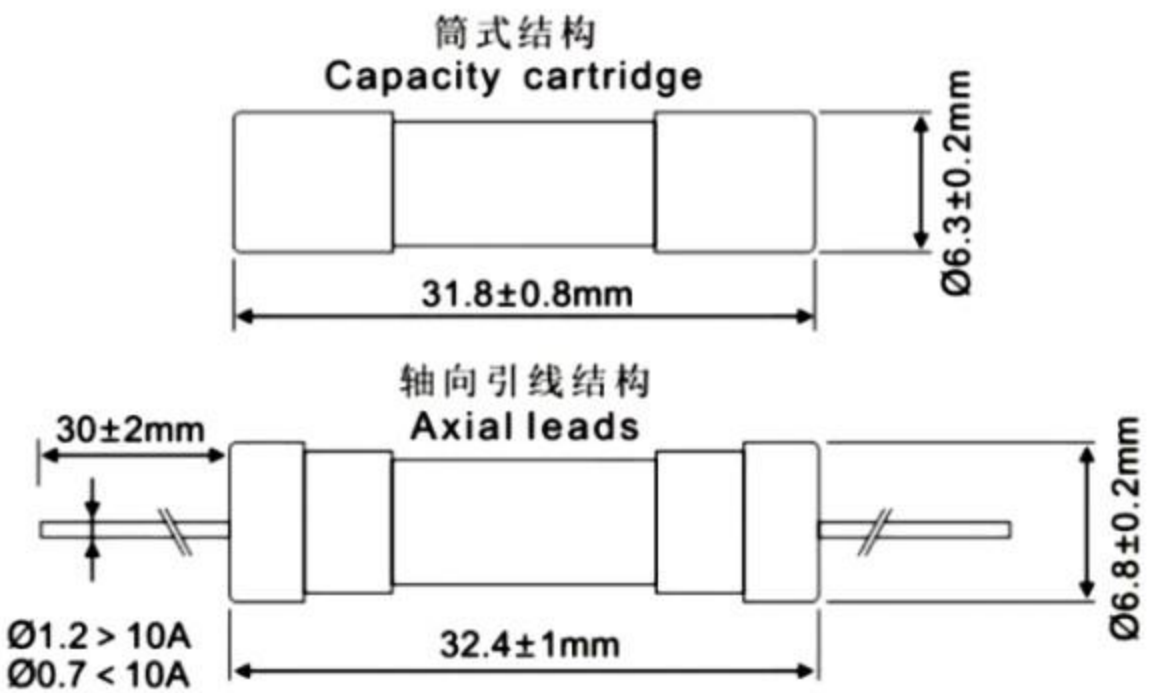
In accordance with UL 248-1 / -14 standard / 遵循 UL 248-1 / -14

Product Features / 产品特性

Materials 材质	Body/本体: ceramic tube/陶瓷管 Lead/引线: Tinned copper wire/镀锡铜线 Cap/铜帽: Brass with nickel plated/铜镀镍 Element/熔丝: Alloy/合金线 Filler/填充物: Quartz sand/石英砂 (可选项/optional)
Operating Temperature 操作温度	-55℃ to +125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	260℃, ≤3s (Wave/波峰焊) 350±10℃, ≤3s. (Soldering iron/烙铁焊)
Resistance to soldering Heat 耐焊接热	260℃, 10s (Wave/波峰焊) 350, 5s. (Soldering iron/烙铁焊)
Recommended Soldering Parameters 建议焊锡参数	Wave soldering parameter/波峰焊 Soldering pot temperature/锡炉温度: 260℃ Max Solder dwell time/焊接时间: 2~5s Hand welding parameter/手工焊 Soldering pot temperature/锡炉温度: 350±5℃ Max Solder dwell time/焊接时间: 5s Max
Storage Conditions 储存条件	在温度+10℃~60℃、相对湿度≤75%的密闭条件下可存放3年。 Can be stored for 3 year under tight seal condition at temperature+10℃~60℃、relative humidity ≤75% 在温度+10℃~60℃、相对湿度为95%的非露天最多可存放30天。 At most can be kept 30 days at temperature +10℃~60℃, relative humidity ≤95% under covered conditions



Dimensions / 尺寸图 (unit/单位: mm)



Electrical Characteristics / 电气特性

Rated Current 额定电流(A)	Rated Voltage 额定电压	Breaking Capacity 分断能力	Safety Approvals 安全认证			
			UL US	CQC	CCC	KC
100mA	250V	UL: 100mA~20A 100A@250V AC CQC: <3.15A 35A@250V AC 4A~16A 10 IN@250V AC KC: 1.25A~10A 100A@250V AC	●	◎	◎	◎
125mA	250V		●	◎	◎	◎
160mA	250V		●	◎	◎	◎
200mA	250V		●	◎	◎	◎
250mA	250V		●	◎	◎	◎
315mA	250V		●	◎	◎	◎
400mA	250V		●	◎	◎	◎
500mA	250V		●	◎	◎	◎
630mA	250V		●	◎	◎	◎
800mA	250V		●	◎	◎	◎
1A	250V		●	◎	◎	●
1.25A	250V		●	◎	◎	●
1.5A	250V		●	◎	◎	●
1.6A	250V		●	◎	◎	●
2A	250V		●	◎	◎	●
2.5A	250V		●	●	◎	●
3.15A	250V		●	◎	◎	●
4A	250V		●	●	◎	●
5A	250V		●	◎	◎	●
6.3A	250V		●	●	◎	●
8A	250V		●	◎	◎	●
10A	250V		●	◎	◎	●
12.5A	250V		●	◎	◎	●
16A	250V		●	◎	◎	●
20A	250V		●	◎	◎	●
21A	250V		●	◎	◎	●

Glass Tube Fuses
RTI-10(1T) Series / 3.6×10mm,Time-Lag Type



I-T Characteristics / 时间-电流特性

RATED CURRENT	1.5 IN/倍	2 IN/倍	2.75 IN/倍		4 IN/倍		10 IN/倍	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
100mA to 10A	1hrs	2min	400ms	10s	150ms	3s	20ms	150ms

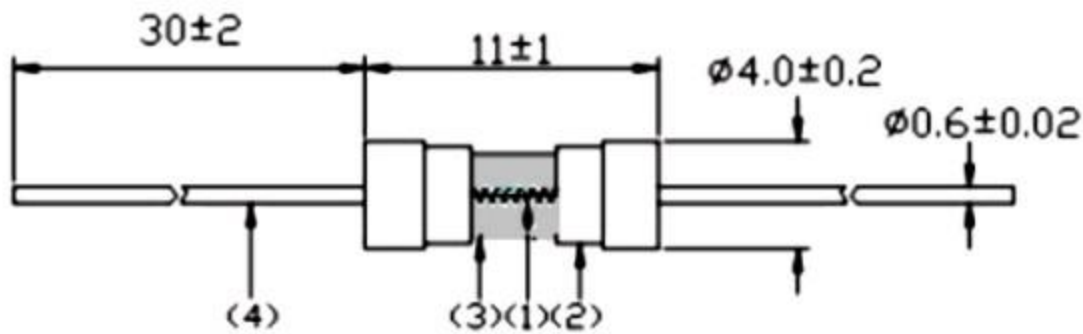
遵循 IEC60127-3，规格单2&4: In accordance with IEC60127-3 standard, sheet 2&4



Product Features / 产品特性

Meterials 材质	Body/本体: Glass tube/玻璃管 Lead/引线: Tinned copper wire/镀锡铜线 Cap/铜帽: Brass with nickel plated/铜镀镍 Element/熔丝: Alloy/合金线 Filler/填充物: Quartz sand/石英砂 (可选项/optional)
Operating Temperature 操作温度	-55℃ to + 125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	260℃, ≤3s (Wave/波峰焊) 350 ± 10℃, ≤3s. (Soldering iron/烙铁焊)
Resistance to soldering Heat 耐焊接热	260℃, 10s (Wave/波峰焊) 350, 5s. (Soldering iron/烙铁焊)
Recommended Soldering Parameters 建议焊锡参数"	Wave soldering parameter/波峰焊 Soldering pot temperature/锡炉温度: 260℃ Max Solder dwell time/焊接时间: 2~5s Hand welding parameter/手工焊 Soldering pot temperature/锡炉温度: 350 ± 5℃ Max Solder dwell time/焊接时间: 5s Max
Storage Conditions 储存条件	在温度+10℃~60℃、相对湿度≤75%的密闭条件下可存放 3 年。 Can be stored for 3 year under tight seal condition at temperature+10℃~60℃、relative humidity ≤75% 在温度+10℃~60℃、相对湿度为 95%的非露天下最多可存放 30 天。 At most can be kept 30 days at temperature +10℃~60℃, relative humidity ≤95% under covered conditions

Dimensions / 尺寸图 (uint/单位: mm)



Electrical Characteristics / 电气特性

Rated Current 额定电流(A)	Rated Voltage 额定电压	Breaking Capacity 分断能力	Sefety Approvals 安全认证				
500mA	250V	50A@250V AC	●	●	●	●	◎
630mA	250V		●	●	●	●	◎
1A	250V		●	●	●	●	◎
1.25A	250V		●	●	●	●	◎
1.6A	250V		●	●	●	●	◎
2A	250V		●	●	●	●	◎
3.15A	250V		●	●	●	●	●
4A	250V		●	◎	◎	◎	●
5A	250V		●	◎	●	●	●
6.3A	250V	10倍额定电流@250V AC	◎	◎	◎	●	●
10A	250V	10倍额定电流@250V AC	◎	◎	◎	●	◎

Glass Tube Fuses
RFI-10(1F) Series / 3.6×10mm, Fast-Acting Type



I-T Characteristics / 时间-电流特性

RATED CURRENT	1 IN/倍	2 IN/倍	5 IN/倍	10 IN/倍
	Min.	Max.	Min.	Min.
100mA to 10A	4hrs	60s	90ms	10ms

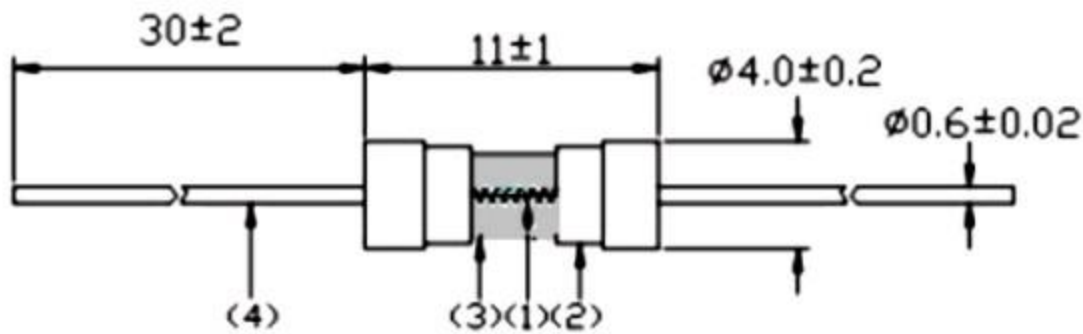
遵循UL 248-1/-14: In accordance with UL 248-1/-14



Product Features / 产品特性

Materials 材质	Body/本体: Glass tube/玻璃管 Lead/引线: Tinned copper wire/镀锡铜线 Cap/铜帽: Brass with nickel plated/铜镀镍 Element/熔丝: Alloy/合金线 Filler/填充物: Quartz sand/石英砂 (可选项/optional)
Operating Temperature 操作温度	-55℃ to +125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	260℃, ≤3s (Wave/波峰焊) 350 ± 10℃, ≤3s. (Soldering iron/烙铁焊)
Resistance to soldering Heat 耐焊接热	260℃, 10s (Wave/波峰焊) 350, 5s. (Soldering iron/烙铁焊)
Recommended Soldering Parameters 建议焊锡参数"	Wave soldering parameter/波峰焊 Soldering pot temperature/锡炉温度: 260℃ Max Solder dwell time/焊接时间: 2~5s Hand welding parameter/手工焊 Soldering pot temperature/锡炉温度: 350 ± 5℃ Max Solder dwell time/焊接时间: 5s Max
Storage Conditions 储存条件	在温度+10℃~60℃、相对湿度≤75%的密闭条件下可存放 3 年。 Can be stored for 3 year under tight seal condition at temperature+10℃~60℃、relative humidity ≤75% 在温度+10℃~60℃、相对湿度为 95%的非露天下最多可存放 30 天。 At most can be kept 30 days at temperature +10℃~60℃, relative humidity ≤95% under covered conditions

Dimensions / 尺寸图 (uint/单位: mm)



Electrical Characteristics / 电气特性

Rated Current 额定电流(A)	Rated Voltage 额定电压	Breaking Capacity 分断能力	Sefety Approvals 安全认证			
100mA	250V	50A@250V AC	●	◎	◎	◎
125mA	250V		●	◎	◎	◎
160mA	250V		●	◎	◎	◎
200mA	250V		●	◎	◎	◎
250mA	250V		●	◎	◎	◎
315mA	250V		●	◎	◎	◎
400mA	250V		●	◎	◎	◎
500mA	250V		●	●	●	◎
630mA	250V		●	◎	◎	◎
1A	250V		●	●	●	●
1.25A	250V		●	◎	◎	◎
1.5A	250V		●	◎	◎	●
1.6A	250V		●	◎	◎	◎
2A	250V		●	●	●	●
2.5A	250V		●	◎	◎	●
3.15A	250V		●	●	●	◎
4A	250V		●	◎	◎	◎
5A	250V		●	●	●	◎

Glass Tube Fuses
RTI-20(2T) Series / 5×20mm, Time-Lag Type



I-T Characteristics / 时间-电流特性

Table with 3 columns: RATED CURRENT, Of Ampere Rating (额定电流%), and Opening Time (熔断时间). It lists various current ratings from 100mA to 16A and their corresponding opening times under different conditions.

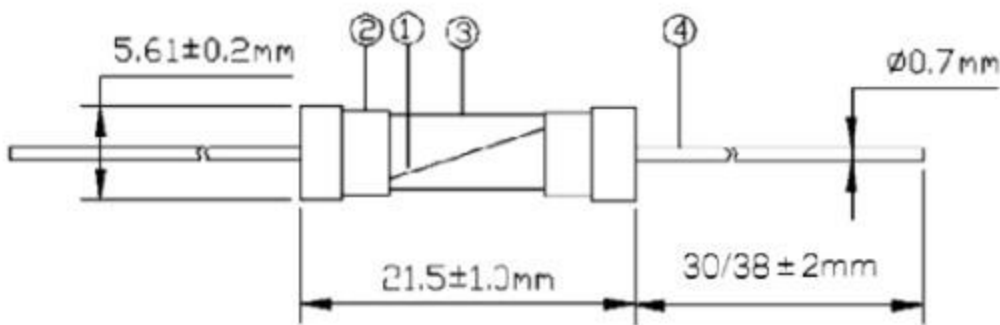


In accordance with IEC60127-2 standard, sheet3 / 遵循 IEC60127-2, 规格单3

Product Features / 产品特性

Table with 2 columns: Feature (e.g., Materials, Operating Temperature, Solderability) and Description. It details the physical and performance characteristics of the fuses.

Dimensions / 尺寸图 (unit/单位: mm)



Electrical Characteristics / 电气特性

Table with 7 columns: Rated Current (A), Rated Voltage, Breaking Capacity, and Safety Approvals (UL, VDE, CCC, PSE, KC, CQC). It provides a comprehensive list of electrical ratings and the corresponding safety certifications for the fuses.

Glass Tube Fuses
RFI-20(2F) Series / 5×20mm, Fast-Acting Type



I-T Characteristics / 时间-电流特性

RATED CURRENT	Of Ampere Rating 额定电流%	Opening Time 熔断时间
100mA to 6.3A	150%	1 Hr Min. / 最短1小时
8A to 16A		30min Min. / 最短30分钟
100mA to 16A		30min Max. / 最长30分钟
100mA to 16A	210%	30min Max. / 最长30分钟
100mA to 16A	275%	50ms Min.2s Max. / 最短50毫秒, 最长2秒
100mA to 6.3A	400%	10ms Min.300ms Max. / 最短10毫秒, 最长300毫秒
8A to 16A		10ms Min.400ms Max. / 最短10毫秒, 最长400毫秒
100mA to 6.3A	1000%	20ms Max. / 最长20毫秒
8A~16A		40ms Max. / 最长40毫秒

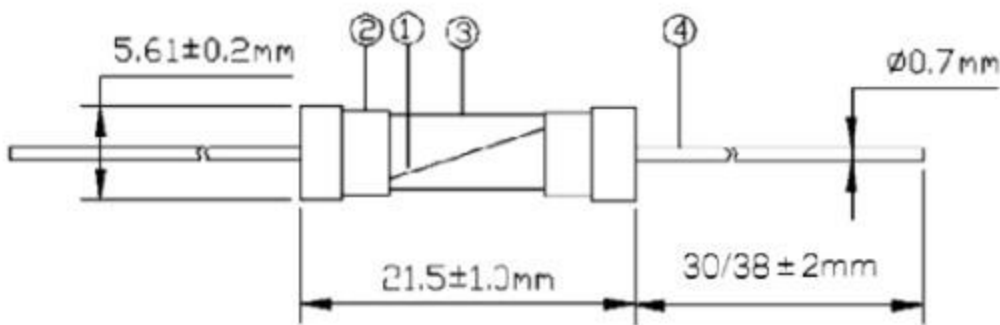


In accordance with IEC60127-2 standard, sheet2 / 遵循 IEC60127-2, 规格单2

Product Features / 产品特性

Materials 材质	Body/本体: Glass tube/玻璃管 Lead/引线: Tinned copper wire/镀锡铜线 Cap/铜帽: Brass with nickel plated/铜镀镍 Element/熔丝: Alloy/合金线 Filler/填充物: Quartz sand/石英砂 (可选项/optional)
Operating Temperature 操作温度	-55℃ to +125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	260℃, ≤3s (Wave/波峰焊) 350±10℃, ≤3s. (Soldering iron/烙铁焊)
Resistance to soldering Heat 耐焊接热	260℃, 10s (Wave/波峰焊) 350, 5s. (Soldering iron/烙铁焊)
Recommended Soldering Parameters 建议焊锡参数	Wave soldering parameter/波峰焊 Soldering pot temperature/锡炉温度: 260℃ Max Solder dwell time/焊接时间: 2~5s Hand welding parameter/手工焊 Soldering pot temperature/锡炉温度: 350±5℃ Max Solder dwell time/焊接时间: 5s Max
Storage Conditions 储存条件	在温度+10℃~60℃、相对湿度≤75%的密闭条件下可存放3年。 Can be stored for 3 year under tight seal condition at temperature+10℃~60℃、relative humidity ≤75% 在温度+10℃~60℃、相对湿度为95%的非露天下最多可存放30天。 At most can be kept 30 days at temperature +10℃~60℃, relative humidity ≤95% under covered conditions"

Dimensions / 尺寸图 (unit/单位: mm)



Electrical Characteristics / 电气特性

Rated Current 额定电流(A)	Rated Voltage 额定电压	Breaking Capacity 分断能力	Safety Approvals 安全认证					
			UL	DVE	CCC	PSE	KC	CQC
100mA	250V	UL: ≤3.15A 35A@250V AC >2.5A 100A@250V AC	●	●	◎	●	◎	◎
200mA	250V		●	●	◎	●	◎	◎
250mA	250V		●	●	●	●	◎	●
315mA	250V		●	●	●	●	◎	●
400mA	250V		●	●	●	●	◎	●
500mA	250V		●	●	●	●	●	●
630mA	250V		●	●	●	●	●	●
800mA	250V	VDE&CCC&KC: ≤3.15A 35A@250V AC >3.15 10 IN@250V AC	●	●	●	●	●	●
1.0A	250V		●	●	●	●	●	●
1.25A	250V		●	●	●	●	●	●
1.6A	250V		●	●	●	●	●	●
2.0A	250V		●	●	●	●	●	●
2.5A	250V	PSE 1.25A~10A 100A@250V AC	●	●	●	●	●	●
3.15A	250V		●	●	●	●	●	●
4.0A	250V		●	●	●	●	●	●
5.0A	250V		●	●	●	●	●	●
6.3A	250V	CQC ≤3.15A 35A@250V AC >3.15 10 IN@250V AC	●	●	◎	●	●	◎
8A	250V		◎	●	◎	●	●	◎
10A	250V		◎	●	◎	●	●	●
12.5A~15A	250V		◎	◎	◎	●	◎	●
16A	250V		◎	◎	◎	◎	◎	●

Glass Tube Fuses
RTI-30(3T) Series / 6.3×32mm, Time-Lag Type



I-T Characteristics / 时间-电流特性

RATED CURRENT	1.35 IN/倍	2 IN/倍
	Max.	Max.
100mA~20A	1hrs	120sec

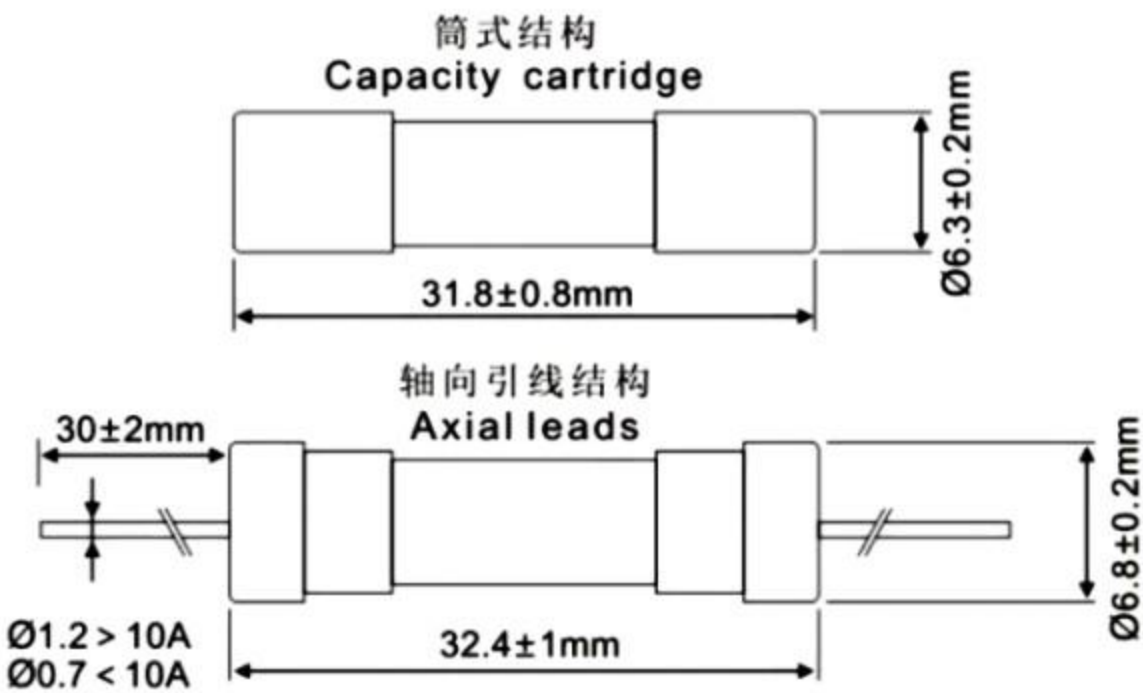
In accordance with UL 248-1 / -14 standard / 遵循 UL 248-1 / -14

Product Features / 产品特性

Materials 材质	Body/本体: Glass tube/玻璃管 Lead/引线: Tinned copper wire/镀锡铜线 Cap/铜帽: Brass with nickel plated/铜镀镍 Element/熔丝: Alloy/合金线 Filler/填充物: Quartz sand/石英砂 (可选项/optional)
Operating Temperature 操作温度	-55℃ to +125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	260℃, ≤3s (Wave/波峰焊) 350±10℃, ≤3s. (Soldering iron/烙铁焊)
Resistance to soldering Heat 耐焊接热	260℃, 10s (Wave/波峰焊) 350, 5s. (Soldering iron/烙铁焊)
Recommended Soldering Parameters 建议焊锡参数	Wave soldering parameter/波峰焊 Soldering pot temperature/锡炉温度: 260℃ Max Solder dwell time/焊接时间: 2~5s Hand welding parameter/手工焊 Soldering pot temperature/锡炉温度: 350±5℃ Max Solder dwell time/焊接时间: 5s Max
Storage Conditions 储存条件	在温度+10℃~60℃、相对湿度≤75%的密闭条件下可存放3年。 Can be stored for 3 year under tight seal condition at temperature+10℃~60℃、relative humidity ≤75% 在温度+10℃~60℃、相对湿度为95%的非露天下最多可存放30天。 At most can be kept 30 days at temperature +10℃~60℃, relative humidity ≤95% under covered conditions



Dimensions / 尺寸图 (unit/单位: mm)



Electrical Characteristics / 电气特性

Rated Current 额定电流(A)	Rated Voltage 额定电压	Breaking Capacity 分断能力	Safety Approvals 安全认证			
100mA	250V	UL: 100mA~20A 100A@250V AC CQC: <3.15A 35A@250V AC 4A~16A 10 IN@250V AC KC: 1.25A~10A 100A@250V AC	●	◎	◎	◎
125mA	250V		●	◎	◎	◎
160mA	250V		●	◎	◎	◎
200mA	250V		●	◎	◎	◎
250mA	250V		●	◎	◎	◎
315mA	250V		●	◎	◎	◎
400mA	250V		●	◎	◎	◎
500mA	250V		●	◎	◎	◎
630mA	250V		●	◎	◎	◎
800mA	250V		●	◎	◎	◎
1A	250V		●	●	◎	●
1.25A	250V		●	◎	◎	●
1.5A	250V		●	◎	◎	●
1.6A	250V		●	●	◎	●
2A	250V		●	◎	◎	●
2.5A	250V		●	◎	◎	●
3.15A	250V		●	◎	◎	●
4A	250V		●	◎	◎	●
5A	250V		●	◎	◎	●
6.3A	250V		●	◎	◎	●
8A	250V		●	●	◎	●
10A	250V		●	●	◎	●
12.5A	250V		●	●	◎	◎
16A	250V		●	●	◎	◎
20A	250V		●	◎	◎	◎

Glass Tube Fuses
RFI-30(3F) Series / 6.3×32mm, Fast-Acting Type



I-T Characteristics / 时间-电流特性

RATED CURRENT	1 IN/倍	1.35 IN/倍	2 IN/倍	10 IN/倍
	Min.	Min.	Max.	Max.
100mA to 21A	4hrs	1hrs	120sec	10ms

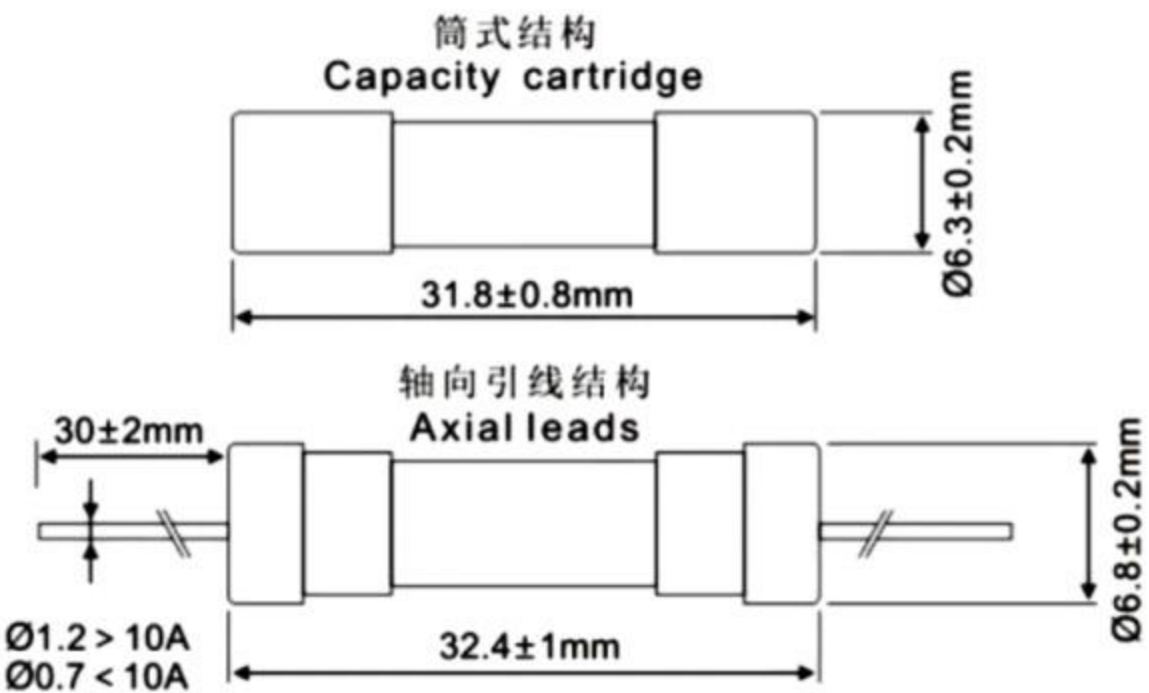
In accordance with UL 248-1 / -14 standard / 遵循 UL 248-1 / -14

Product Features / 产品特性

Materials 材质	Body/本体: Glass tube/玻璃管 Lead/引线: Tinned copper wire/镀锡铜线 Cap/铜帽: Brass with nickel plated/铜镀镍 Element/熔丝: Alloy/合金线 Filler/填充物: Quartz sand/石英砂 (可选项/optional)
Operating Temperature 操作温度	-55℃ to +125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	260℃, ≤3s (Wave/波峰焊) 350±10℃, ≤3s. (Soldering iron/烙铁焊)
Resistance to soldering Heat 耐焊接热	260℃, 10s (Wave/波峰焊) 350, 5s. (Soldering iron/烙铁焊)
Recommended Soldering Parameters 建议焊锡参数	Wave soldering parameter/波峰焊 Soldering pot temperature/锡炉温度: 260℃ Max Solder dwell time/焊接时间: 2~5s Hand welding parameter/手工焊 Soldering pot temperature/锡炉温度: 350±5℃ Max Solder dwell time/焊接时间: 5s Max
Storage Conditions 储存条件	在温度+10℃~60℃、相对湿度≤75%的密闭条件下可存放3年。 Can be stored for 3 year under tight seal condition at temperature+10℃~60℃、relative humidity ≤75% 在温度+10℃~60℃、相对湿度为95%的非露天最多可存放30天。 At most can be kept 30 days at temperature +10℃~60℃, relative humidity ≤95% under covered conditions



Dimensions / 尺寸图 (unit/单位: mm)



Electrical Characteristics / 电气特性

Rated Current 额定电流(A)	Rated Voltage 额定电压	Breaking Capacity 分断能力	Safety Approvals 安全认证			
			UL US	CQC	CCC	KC
100mA	250V	UL: 100mA~20A 100A@250V AC CQC: <3.15A 35A@250V AC 4A~16A 10 IN@250V AC KC: 1.25A~21A 100A@250V AC	●	◎	◎	◎
125mA	250V		●	◎	◎	◎
160mA	250V		●	◎	◎	◎
200mA	250V		●	◎	◎	◎
250mA	250V		●	◎	◎	◎
315mA	250V		●	◎	◎	◎
400mA	250V		●	◎	◎	◎
500mA	250V		●	◎	◎	◎
630mA	250V		●	◎	◎	◎
800mA	250V		●	◎	◎	◎
1A	250V		●	◎	◎	●
1.25A	250V		●	◎	◎	●
1.5A	250V		●	◎	◎	●
1.6A	250V		●	◎	◎	●
2A	250V		●	◎	◎	●
2.5A	250V		●	●	◎	●
3.15A	250V		●	◎	◎	●
4A	250V		●	●	◎	●
5A	250V		●	◎	◎	●
6.3A	250V		●	●	◎	●
8A	250V		●	◎	◎	●
10A	250V		●	◎	◎	●
12.5A	250V		●	◎	◎	●
16A	250V		●	◎	◎	●
20A	250V		●	◎	◎	●
21A	250V		●	◎	◎	●

Ceramic Power Fuses
LB630 Series / 6.3×32mm,High pressure Type



I-T Characteristics / 时间-电流特性

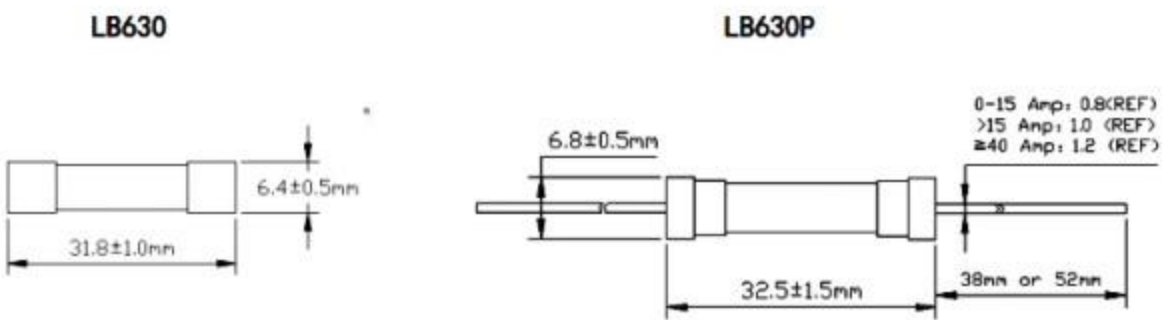
RATED CURRENT	2.5 IN/倍
	Max.
100mA~30A	120sec

Product Features / 产品特性

Materials 材质	Body/本体: ceramic tube/陶瓷管 Cap/铜帽: Brass with nickel plated/铜镀镍 Lead/引线: Tinned copper wire/镀锡铜线 Element/熔丝: Alloy/合金体 Filler/填充物: Quartz sand/石英砂 (可选项/optional)
Operating Temperature 操作温度	-55℃ to + 125℃ (Consider de-rating/需考虑温度衰减)
Solderability 可焊性	260℃, ≤3s (Wave/波峰焊) 350 ± 5℃, ≤5s. (Soldering iron/烙铁焊)
Resistance to soldering Heat 耐焊接热	260℃, 10s (Wave/波峰焊) 350, 5s. (Soldering iron/烙铁焊)
Recommended Soldering Parameters 建议焊锡参数"	Wave soldering parameter/波峰焊 Soldering pot temperature/锡炉温度: 260℃ Max Solder dwell time/焊接时间: 2~5s Hand welding parameter/手工焊 Soldering pot temperature/锡炉温度: 350 ± 5℃ Max Solder dwell time/焊接时间: 5s Max
Storage Conditions 储存条件	在温度+10℃~60℃、相对湿度≤75%的密闭条件下可存放 3 年。 Can be stored for 3 year under tight seal condition at temperature+10℃~60℃、relative humidity ≤75% 在温度+10℃~60℃、相对湿度为 95%的非露天下最多可存放 30 天。 At most can be kept 30 days at temperature +10℃~60℃, relative humidity ≤95% under covered conditions



Dimensions / 尺寸图 (uint/单位: mm)



Electrical Characteristics / 电气特性

Part No. 料号	Rated Voltage 额定电压	Rated Current 额定电流(A)	Breaking Capacity(A) 分断能力	Safety Approvals 安全认证
LB630-100mA	750V AC/DC	100mA	500A	●
LB630-125mA		125mA		●
LB630-160mA		160mA		●
LB630-200mA		200mA		●
LB630-250mA		250mA		●
LB630-315mA		315mA		●
LB630-400mA		400mA		●
LB630-500mA		500mA		●
LB630-630mA		630mA		●
LB630-800mA		800mA		●
LB630-1A		1A		●
LB630-1.25A		1.25A		●
LB630-1.6A		1.6A		●
LB630-2A		2A		●
LB630-2.5A		2.5A		●
LB630-3A		3A		●
LB630-4A		4A		●
LB630-5A		5A		●
LB630-6A		6A		●
LB630-8A		8A		●
LB630-10A		10A		●
LB630-12A		12A		●
LB630-15A		15A		●
LB630-20A		20A		●
LB630-25A		25A		●
LB630-30A		30A		●

Ceramic Power Fuses
LB1038 Series / 10×38mm,High pressure Type



I-T Characteristics / 时间-电流特性

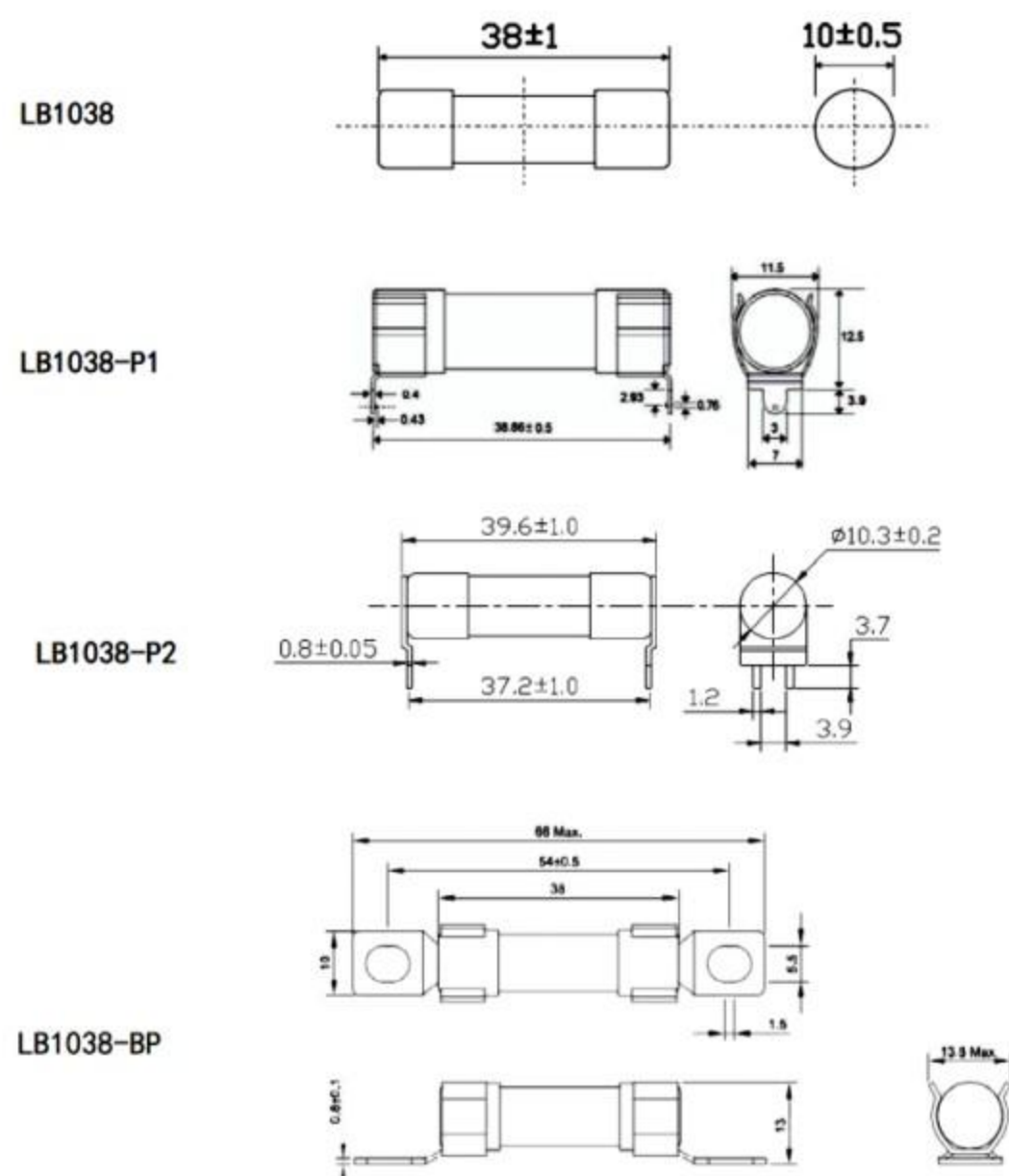
Table with 3 columns: RATED CURRENT, 1 IN/倍, 2.5 IN/倍. Row 1: 200mA~50A, 4hrs, 120sec.



Product Features / 产品特性

Table with 2 columns: Feature (Materials, Operating Temperature, Solderability, Resistance to soldering Heat, Recommended Soldering Parameters, Storage Conditions) and Description.

Dimensions / 尺寸图 (unit/单位: mm)



Electrical Characteristics / 电气特性

Table with 5 columns: Part No., Rated Voltage, Rated Current, Breaking Capacity(A), Safety Approvals. Lists various fuse models and their specifications.

Current Sensing Resistors
LMF Series / Two Terminal Type



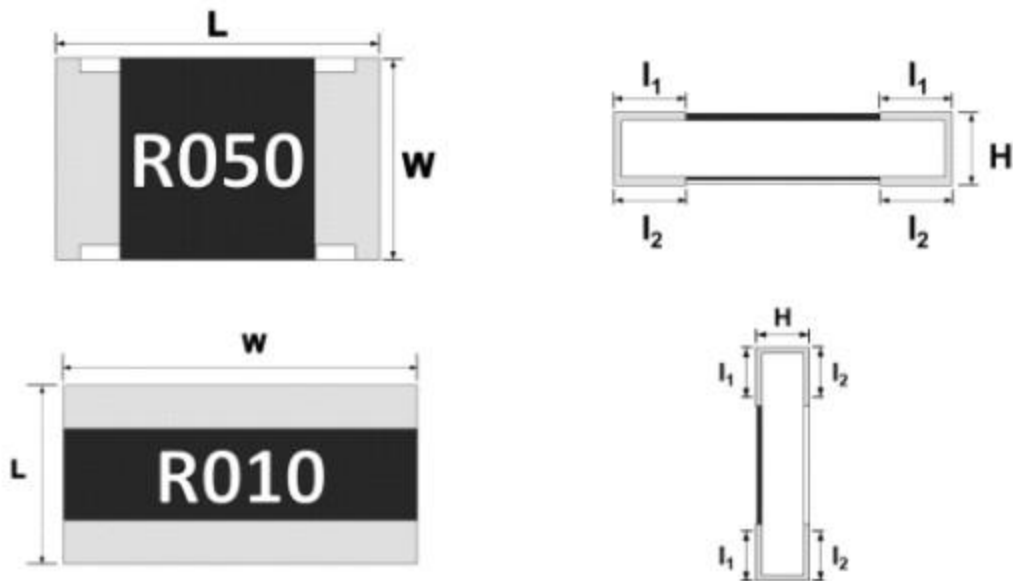
Product Material / 产品材料

No. 号码	Material/材质	Description/说明
1	Substrate/基板	Alumina ceramic (Alumina 96%) / 氧化铝陶瓷基板 (气化铝含量达96%)
2	Resistive element 电阻本体	Alloy/合金
3	Top Electrode 面电极	Sn、Ni、Cu、Silver/锡、镍、铜、银
4	Primary Overcoat 一次保护防焊层	Flame-retardant epoxy meetsUL-94-V0 requirements(black)/ 防火级环氧树脂, 符合UL-94-V0要求 (黑色)
5	Protective coating 二次保护防焊层	Flame-retardant epoxy meetsUL-94-V0 requirements(black)/ 防火级环氧树脂, 符合UL-94-V0要求 (黑色)
	Marking coating 文印防焊层	Flame-retardant epoxy meetsUL-94-V0 requirements(black)/ 防火级环氧树脂, 符合UL-94-V0要求 (黑色)
6	Edge electrode 侧边电极	Sn、Ni、Cu/锡、镍、铜



Dimensions / 尺寸图 (uint/单位: mm)

Type	L	W	H	I ₁	I ₂
LMF0201	0.60 ± 0.03	0.30 ± 0.03	0.26 ± 0.05	0.15 ± 0.05	0.15 ± 0.05
LMF0402	1.00 ± 0.10	0.50 ± 0.05	0.35 ± 0.05	0.20 ± 0.10	0.25 ± 0.10
LMF0603	1.60 ± 0.10	0.80 ± 0.10	0.45 ± 0.10	0.25 ± 0.15	0.30 ± 0.15
LMF0805	2.00 ± 0.10	1.25 ± 0.10	0.55 ± 0.10	0.35 ± 0.20	0.40 ± 0.20
LMF1206	3.10 ± 0.10	1.60 ± 0.10	0.55 ± 0.10	0.40 ± 0.20	0.45 ± 0.20
LMF1210	3.10 ± 0.10	2.50 ± 0.15	0.55 ± 0.10	0.50 ± 0.20	0.50 ± 0.20
LMF2010	5.00 ± 0.20	2.50 ± 0.15	0.55 ± 0.10	0.60 ± 0.25	0.60 ± 0.25
LMF2512	6.30 ± 0.20	3.20 ± 0.20	0.55 ± 0.10	0.65 ± 0.25	0.65 ± 0.25
LMF2512(3W)	6.30 ± 0.20	3.20 ± 0.20	0.77 ± 0.15	0.65 ± 0.25	0.65 ± 0.25
LMF0612	1.60 ± 0.15	3.20 ± 0.20	0.55 ± 0.15	0.30 ± 0.20	0.50 ± 0.20
LMF1020	2.50 ± 0.15	5.00 ± 0.15	0.55 ± 0.15	0.40 ± 0.20	0.50 ± 0.20
TRL1225	3.20 ± 0.20	6.30 ± 0.20	0.55 ± 0.15	0.60 ± 0.25	0.80 ± 0.25

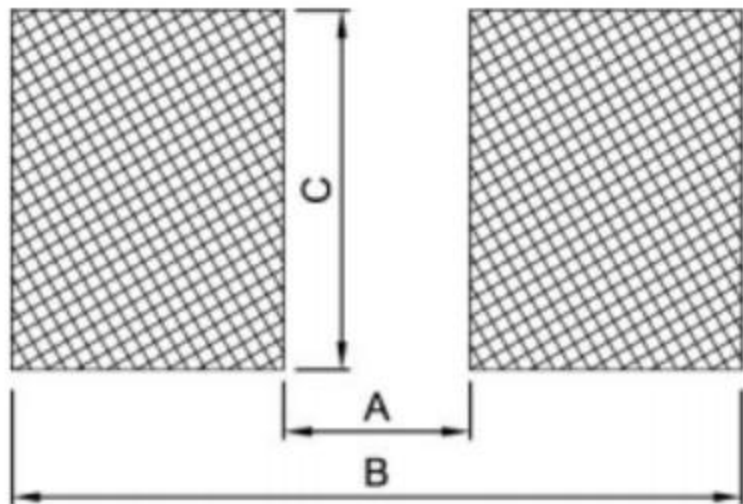


Standard Specification / 规格标准

Type	Power Rating at 70°C	Max. Rated Current	Max. Overload Current	T.C.R (ppm/°C)	Resistance Range				
					C(0.25%)	D(0.5%),F(1.0%),G(2.0%),J(5.0%)			
LMF0201	1/20W	1.00A	2.50A	± 100 ----- ± 50	-	50mΩ ≤R < 100mΩ ----- 100mΩ ≤R≤10Ω			
	1/10W	1.41A	3.16A						
	1/5W	2.00A	4.47A						
LMF0402	1/16W	1.12A	2.80A						
	1/8W	1.58A	3.54A						
	1/4W	2.24A	5.00A						
LMF0603	1/10W	1.41A	3.54A	± 150 ----- ± 100 ----- ± 50	-	39mΩ ≤R < 50mΩ ----- 50mΩ ≤R < 100mΩ ----- 100mΩ ≤R≤10Ω			
	1/5W	2.00A	4.47A						
	2/5W	2.83A	6.32A						
LMF0805	1/8W	1.79A	4.48A				± 150 ----- ± 100 ----- ± 50	-	39mΩ ≤R < 50mΩ ----- 50mΩ ≤R < 100mΩ ----- 100mΩ ≤R≤10Ω
	1/4W	2.53A	5.66A						
	1/2W	3.58A	8.00A						
LMF1206	1/4W	2.53A	6.33A	± 150 ----- ± 100 ----- ± 50	-	50mΩ ≤R < 100mΩ ----- 100mΩ ≤R≤10Ω			
	1/2W	3.58A	8.00A						
	3/4W	4.39A	9.81A						
	1W	5.06A	11.32A						
LMF1210	1/2W	3.58A	8.95A	± 50	470mΩ ≤R≤10Ω	100mΩ ≤R≤10Ω			
	1W	5.06A	11.32A						
LMF2010	3/4W	2.74A	6.85A	± 50	470mΩ ≤R≤10Ω	100mΩ ≤R≤10Ω			
	1.5W	3.87A	8.66A						
LMF2512	1W	3.16A	7.91A						
	2W	4.47A	10.00A						
	3W	5.48A	12.25A						

SOLDER PAD SIZE AND WELDING CONDITIONS
焊锡垫尺寸及焊接条件

Type	A	B	C
LMF0201	0.25	0.85	0.35
LMF0402	0.50	1.60	0.70
LMF0603	0.80	2.40	1.00
LMF0805	1.30	2.90	1.45
LMF1206	2.20	4.20	1.80
LMF1206 (10mΩ ≤ R < 39mΩ)	1.20	4.80	1.84
LMF1210	2.00	4.40	2.70
LMF2010	3.80	6.60	2.70
LMF2512	4.90	8.10	3.40



Current Sensing Resistors
LMR Series / Two Terminal Type



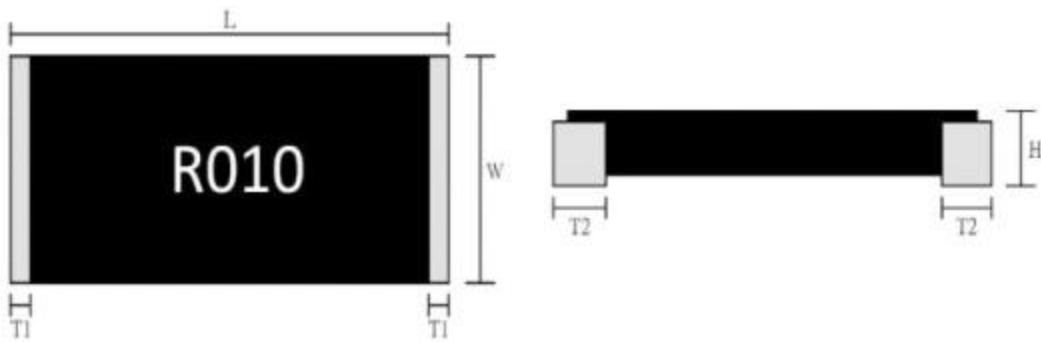
Product Material / 产品材料

No. 号码	Material/材质	Description/说明
1	Resistive element 电阻本体	Alloy/合金
2	Top Electrode 面电极	Sn、Ni、Cu/锡、镍、铜
3	Primary Overcoat 保护防焊层	Flame-retardant epoxy meetsUL-94-V0 requirements(black)/ 防火级环氧树脂, 符合UL-94-V0要求 (黑色)
4	Marking coating 文印防焊层	Flame-retardant epoxy meetsUL-94-V0 requirements(black)/ 防火级环氧树脂, 符合UL-94-V0要求 (黑色)
5	Edge electrode 侧边电极	Sn、Ni、Cu/锡、镍、铜



Dimensions / 尺寸图 (uint/单位: mm)

TYPE	L	W	H	T1	T2
LMR1206	3.2±0.2	1.6±0.2	0.60±0.2(1mR~10mR)	0.50±0.2	0.50±0.2
LMR1206	3.2±0.2	1.6±0.2	0.45±0.2(10mR~100mR)	0.50±0.2	0.50±0.2
LMR2512(2W)	6.4±0.2	3.2±0.2	0.60±0.2(1mR~10mR)	0.90±0.2	0.90±0.2
LMR2512(3W)	6.4±0.2	3.2±0.2	0.75±0.2(1mR~10mR)	0.90±0.2	0.90±0.2
LMR2512(3WD)	6.4±0.2	3.2±0.2	0.75±0.2(0.5mR~4mR)	2.00±0.2	2.00±0.2

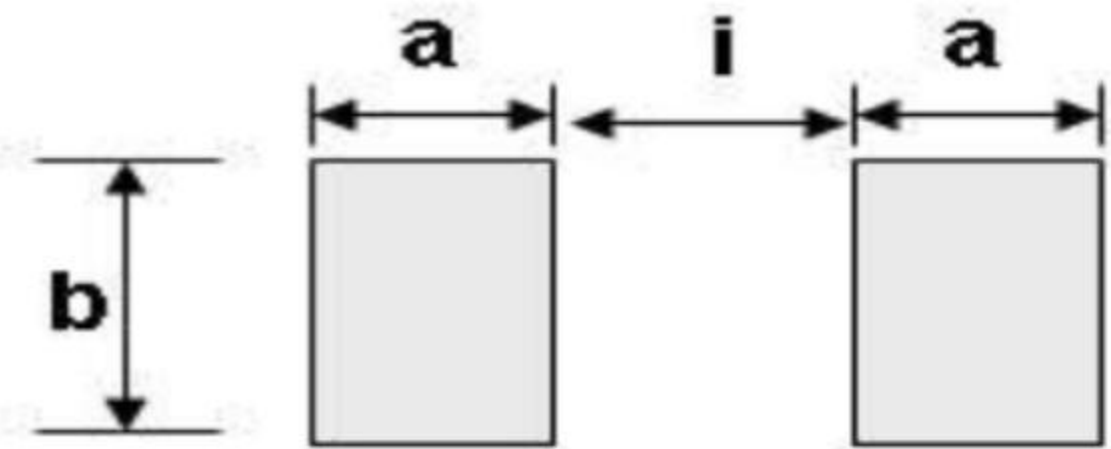


Standard Specification / 规格标准

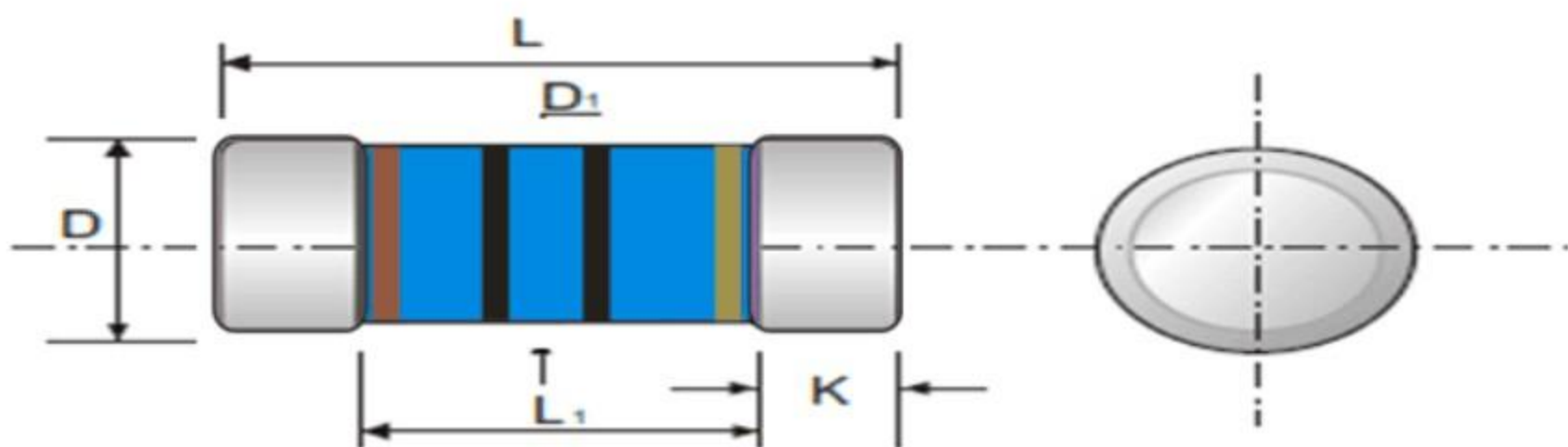
Type	Rating Power at 70℃	T.C.R (ppm/℃)	Max. Rating Current	Max. Overload Current	Resistance Range(mΩ)		Material	Operating Temperature Range(℃)
					0.5%(D)	1.0%(F) 2.0%(G) 5.0%(J)		
LMR1206	1W	≦ ±350	31.62	63.24	—	1~3	MnCun	-55~+170
LMR1206	1W	≦ ±100	31.62	63.24	—	4~100	R004~R033:MnCu R035~R100:NiCrAi	
LMR2512	2W	≦ ±50	44.72	89.44	—	1~500	R001~R130:MnCu R150~R500:NiCrAi	
LMR2512	3W	≦ ±50	54.77	109.54	—			

SOLDER PAD SIZE AND WELDING CONDITIONS / 焊锡垫尺寸及焊接条件

Type	Restistance Range	A	B	I
LMR1206	1mΩ~100mΩ	1.75	1.60	2.10
LMR2512(2W)	1mΩ~10mΩ	1.80	3.20	4.60
LMR2512(3W)	1mΩ~500mΩ	1.80	3.20	4.60
LMR2512(3WD)	1mΩ~4mΩ	2.00	3.20	2.40



Specifications / 外形尺寸



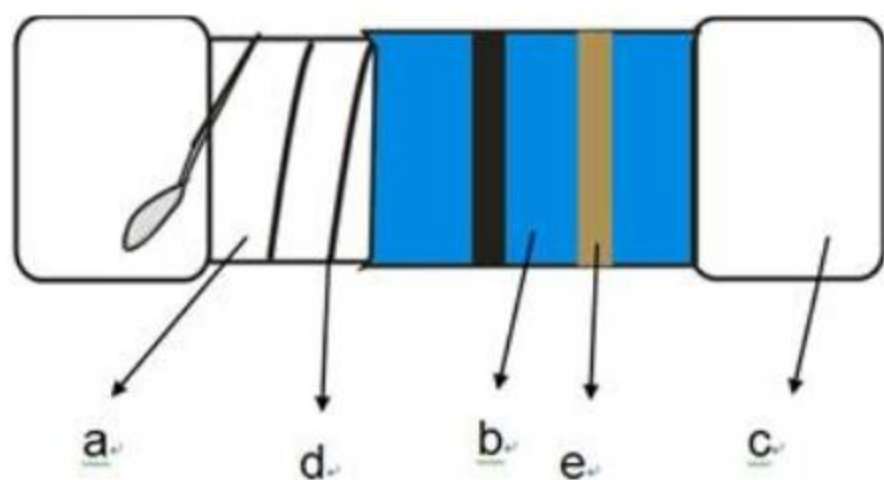
功率	L mm	L ₁ (max)	D(mm)	D ₁ (max)	K(max)	MOQ
1/2W	5.9 ± 0.2	4.3	2.2 ± 0.2	2.3	1	2000

功率	L mm	L ₁ (max)	D(mm)	D ₁ (max)	K(max)	MOQ
1WS	8.5 ± 0.3	6.3	3.0 ± 0.3	3.0	1	2500
2WS	8.5 ± 0.3	6.3	3.0 ± 0.3	3.0	1	2500

阻值範圍：0.1Ω-100Ω 精度：±5%

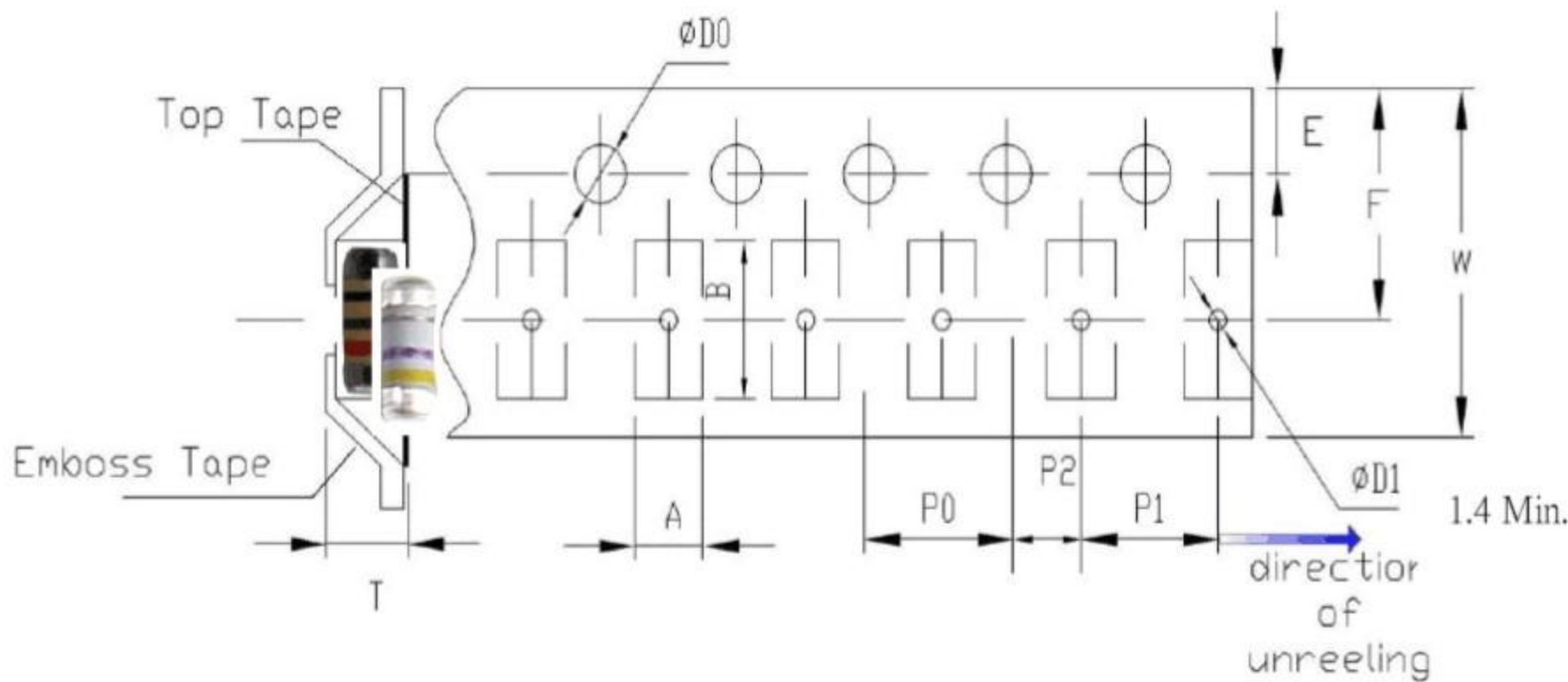


Constructoion / 产品构成

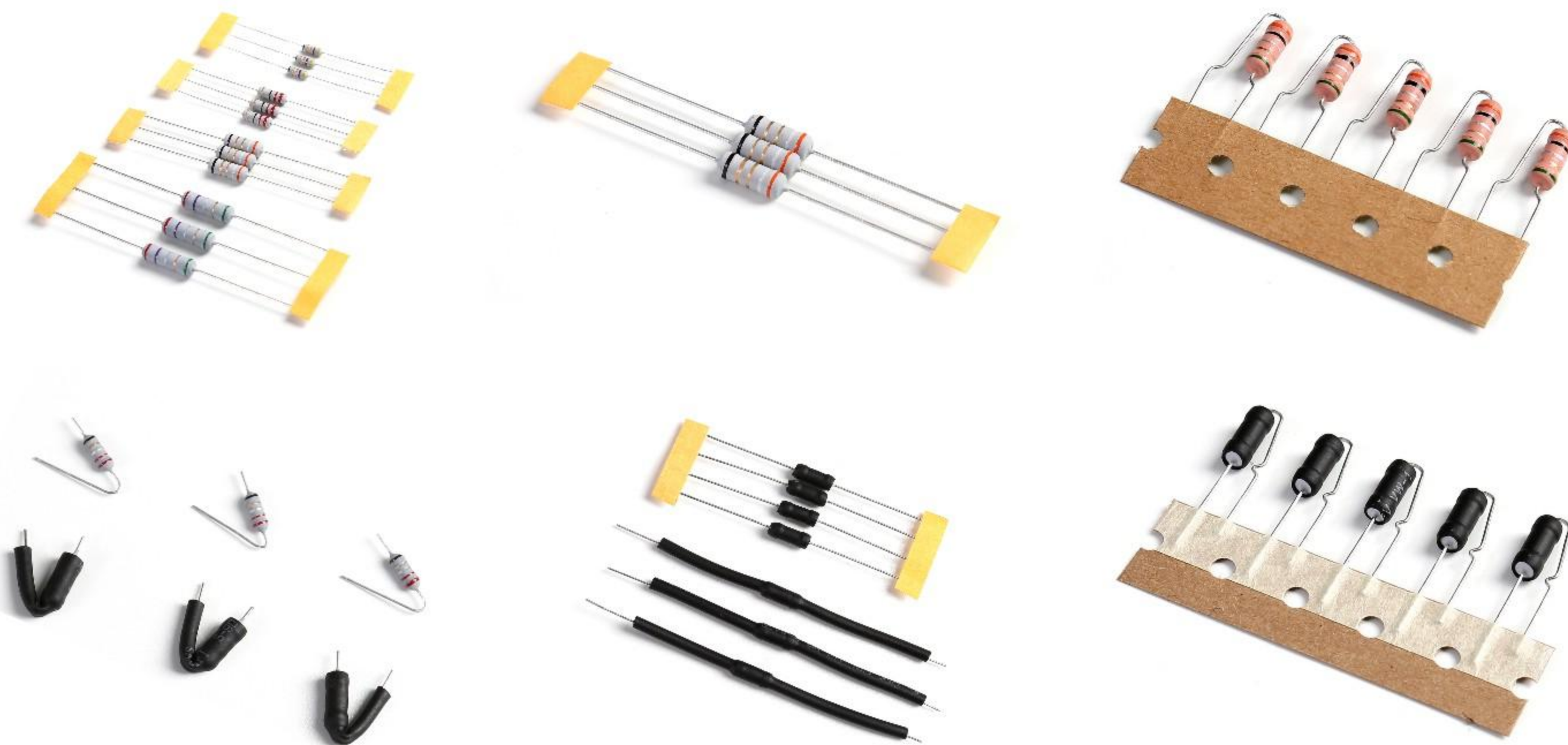


- a.高含鋁量高熱傳導瓷棒
- b.不燃性絕緣塗料
- c.鍍錫銅帽
- d.高穩定性合金線原材料
- e.符合MIL、EIA規定之標準色碼帶

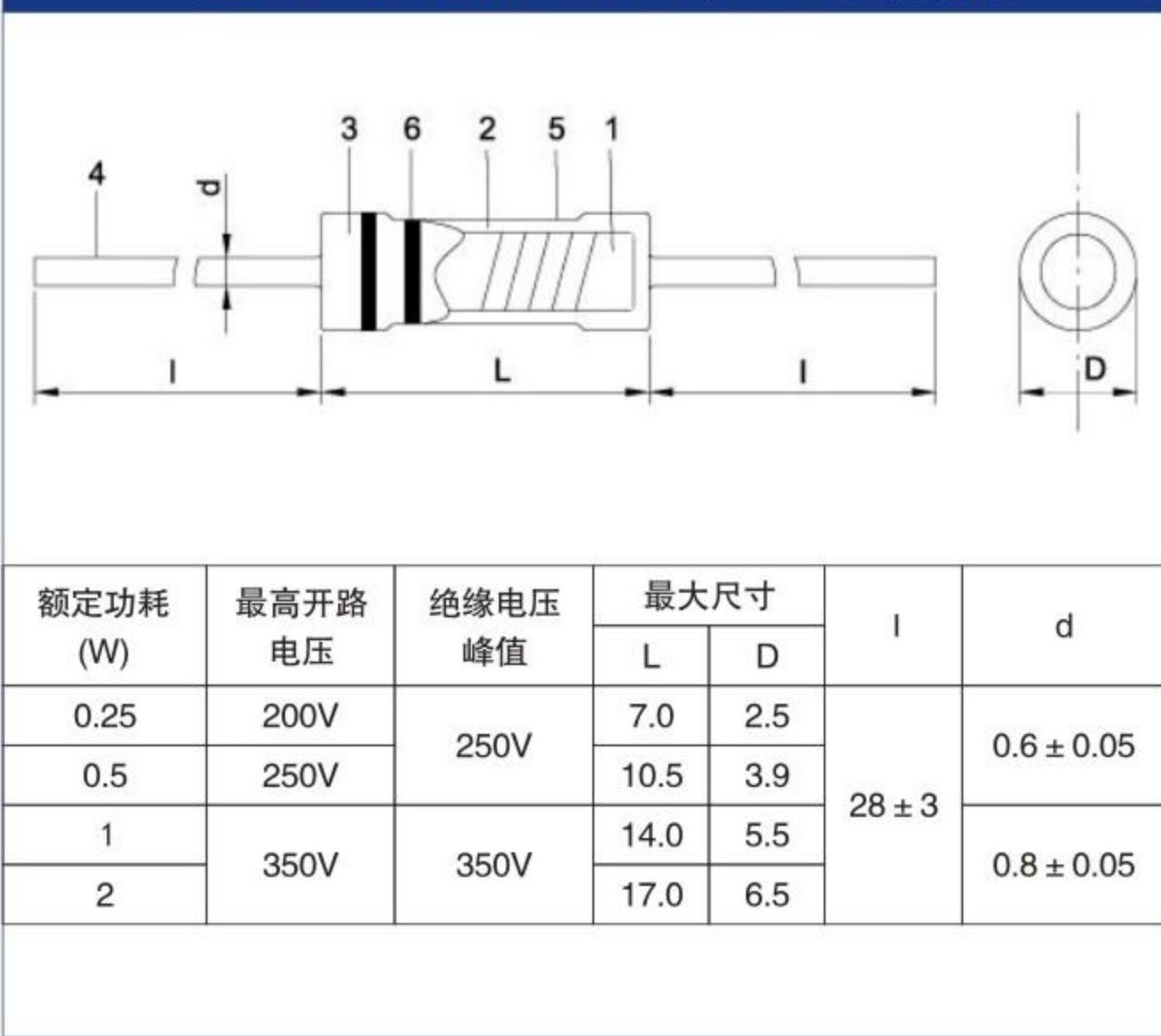
Emboss Plastic Tape Specifications公差0.10mm / 載帶規格尺寸



Type	0207	Type	0309
A	2.40	A	3.30
B	6.30	B	9.00
W	12.0	W	16.00
E	1.75	E	1.75
F	5.50	F	7.50
P0	4.00	P0	4.00
P1	4.00	P1	8.00
P2	2.00	P2	2.00
ΦD0	1.50	ΦD0	1.50
T	2.50	T	3.3



外型尺寸 Dimensions(mm)和结构



Time current characteristics

Standard: IEC-60127 GB 936403

Approvals:   

熔断特性 Fusing Features

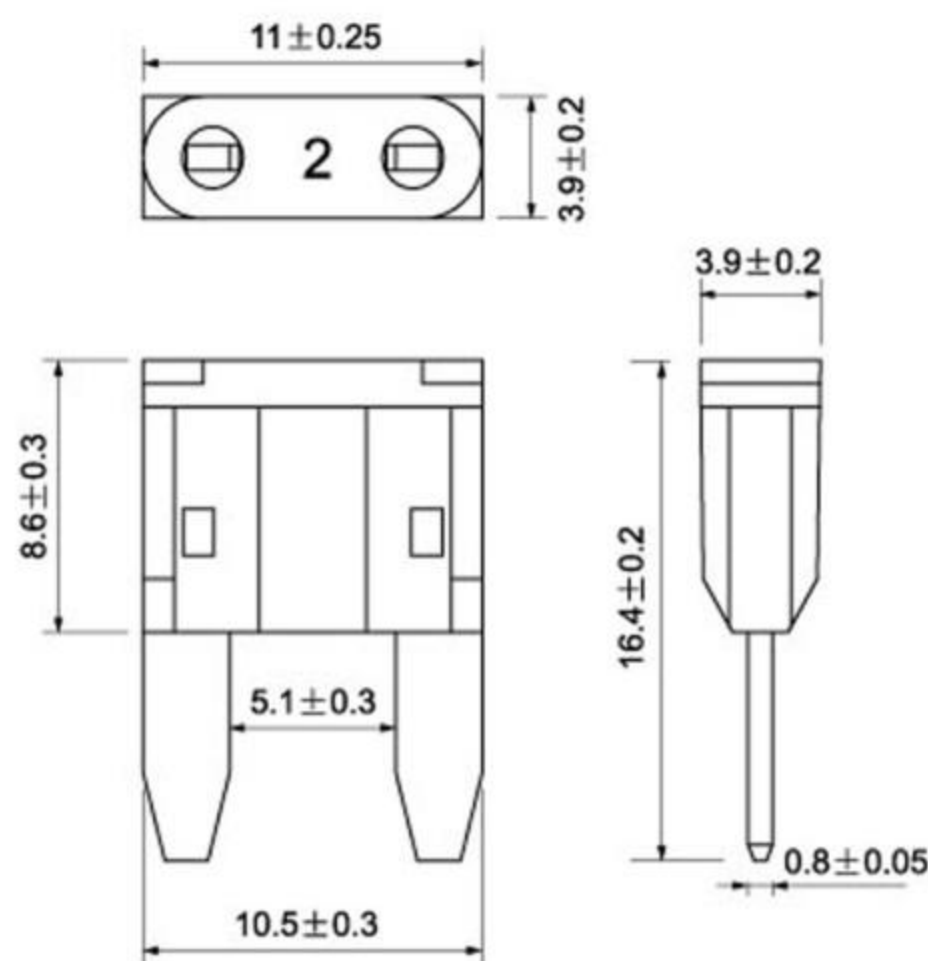
1. 测试具备的环境条件如下:
- a) 温度: 15-35℃
 - b) 相对湿度: 45%-75%
 - c) 大气压力: 86-106Kpa
2. 熔断特性
- a) 熔断特性的定义: 对电阻器施加规定的过负荷时, 阻值显著增大。使流过电阻器的电流下降到最初试验电流的1/50以下时称为熔断。电阻器从加上规定的过负荷时到发生熔断时所需的时间称为熔断时间。这种性能称为熔断特性。
- b) 熔断特性的要求: 在规定的额定功耗倍率过负荷条件下, 熔断时间应不超过下表规定值:
- | 额定功耗倍率
(倍) | 标称阻值范围 (Ω) | | |
|---------------|------------|------|-----|
| | <2 | 2-10 | >10 |
| | 熔断时间 (s) | | |
| 12 | - | 80 | 30 |
| 16 | 60 | 30 | 15 |
| 25 | 30 | 15 | 7.5 |
- c) 实验方法: 使用直流稳压电源。按规定的过负荷和标称阻值计算出施加在被试电阻器上的试验电压和电流值; 试验时, 先在试验电路中接入与被试电阻器阻值相同的大功率电阻器, 根据试验电流调节电压, 使试验电流达到规定值; 断开电源, 换上被度电阻器, 接通电源, 若电流不在规定值时, 应在2秒钟内调至规定值, 此后不再调整电流。鸡窝电流表, 计算熔断时间。

SM FUSE 系列小型插片保險絲

在同樣大的空間內可安裝更多的保險絲，
比ML系列更少。



尺寸 Dimensions(mm)



电气特性 Electric characteristic

Standard:UL-257A

Approvals:
 

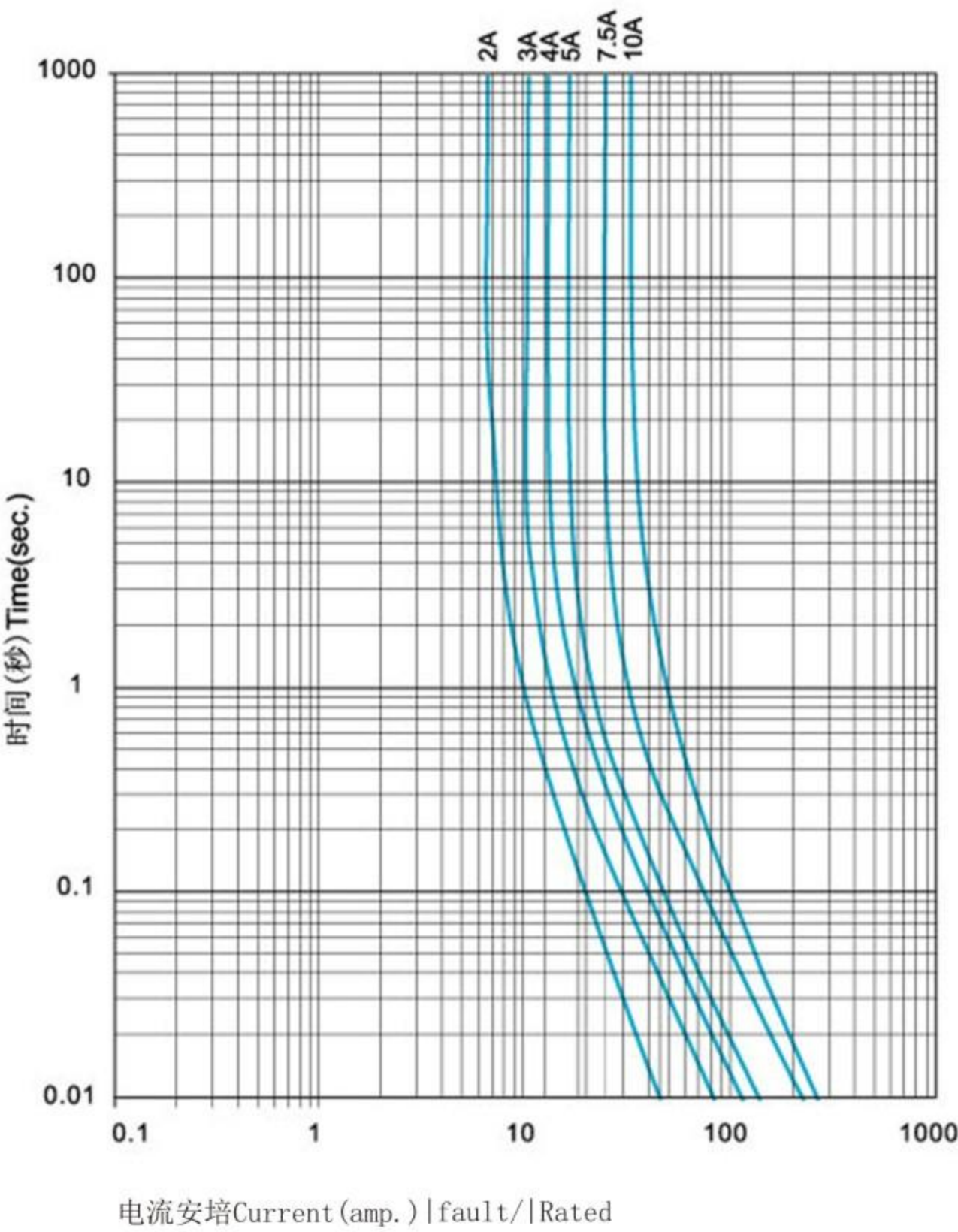


额定值之百分比 RATING	熔断时间 BLOWING TIME	
	最 小min	最 大max
110%	100小时	
135%	0.75秒	600秒
200%	0.15秒	5秒
350%	0.080秒	0.250秒
600%	0.030秒	0.100秒

料號表(SM系列)Amp code tabulation

料号 Amp code	电流 Current	颜色 Color
0311.001	1A	黑 Black
0311.002	2A	灰 Gray
0311.003	3A	紫 Purple
0311.004	4A	粉红
0311.005	5A	褐 Brown
0311.0075	7.5A	咖啡 Coffee
0311.010	10A	红 Red
0311.015	15A	蓝 Blue
0311.020	20A	黄 Yellow
0311.025	25A	透明 Lucency
0311.030	30A	绿 Green

Current–Time Characteristics

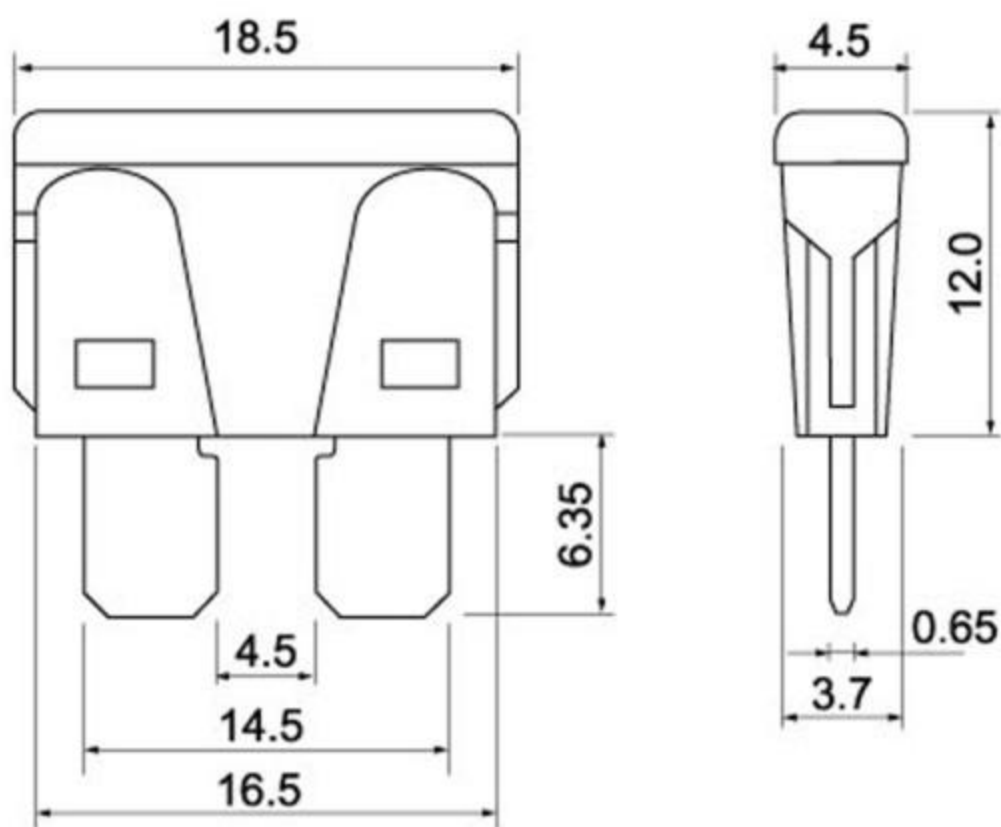


ML FUSE 系列中型插片保險絲

料號表(GT系列)Amp code tabulation



尺寸 Dimensions(mm)



电气特性 Electric characteristic

Standard:UL-257A

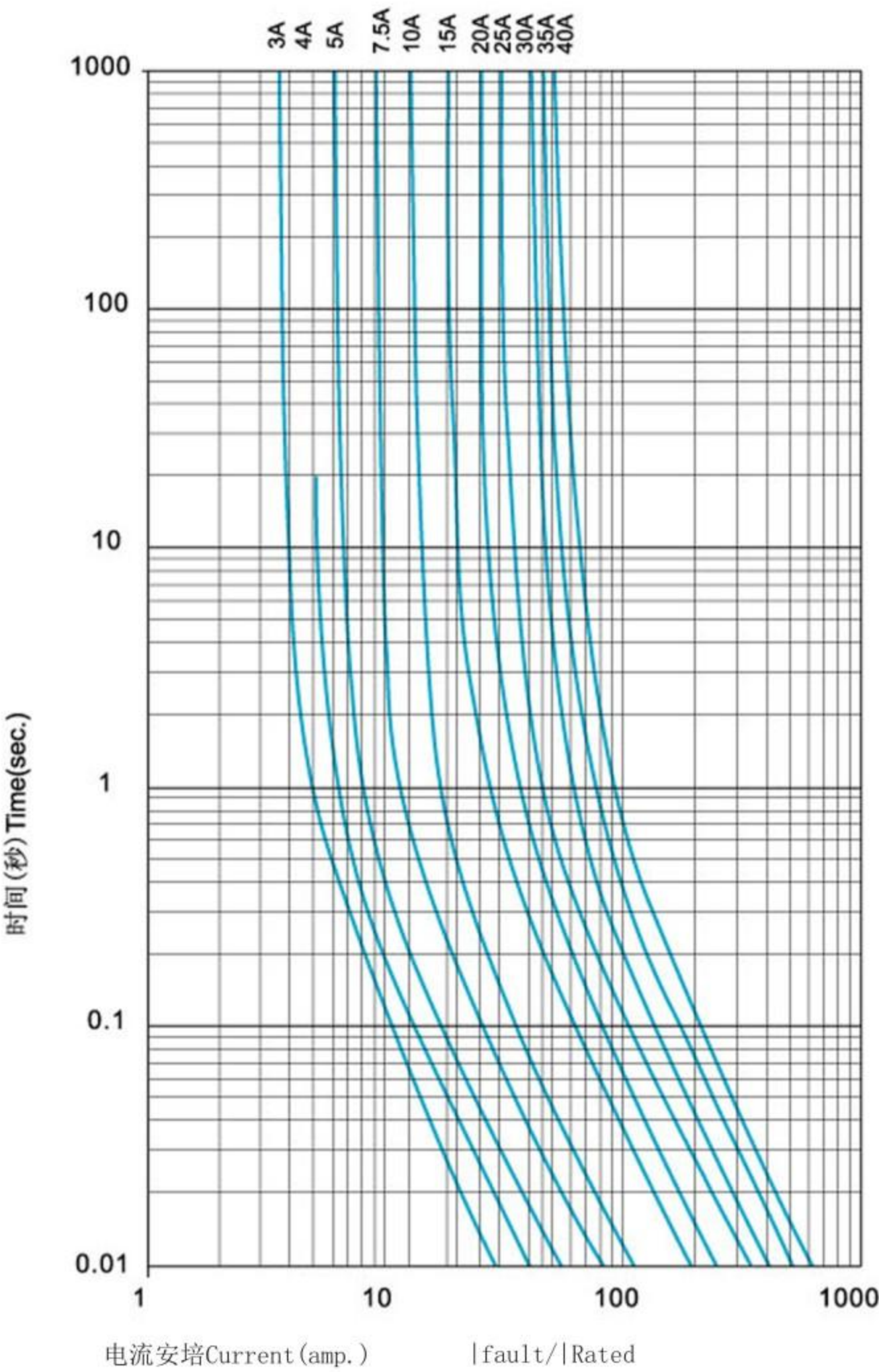
Approvals:




额定值 之百分比 RATING	熔断电流 RATING CURRENT	熔断时间 BLOWING TIME	
		最 小min	最 大max
110%	1安培~40安培	100小时	
135%	1安培~2安培	0.35秒	600秒
	3安培~40安培	0.75秒	600秒
200%	1安培~2安培	0.10秒	5秒
	3安培~40安培	0.15秒	5秒
350%	1安培~2安培	0.02秒	0.5秒
	3安培~40安培	0.08秒	0.5秒

料号 Amp code	电流 Current	颜色 Color
0312.002	2A	灰 Gray
0312.003	3A	紫 Purple
0312.004	4A	粉红
0312.005	5A	褐 Brown
0312.007.5	7.5A	咖啡 Coffee
0312.010	10A	红 Red
0312.015	15	蓝 Blue
0312.020	20A	黄 Yellow
0312.025	25A	透明 Lucency
0312.030	30A	绿 Green
0312.035	35A	蓝绿
0312.040	40A	琥珀 Amber

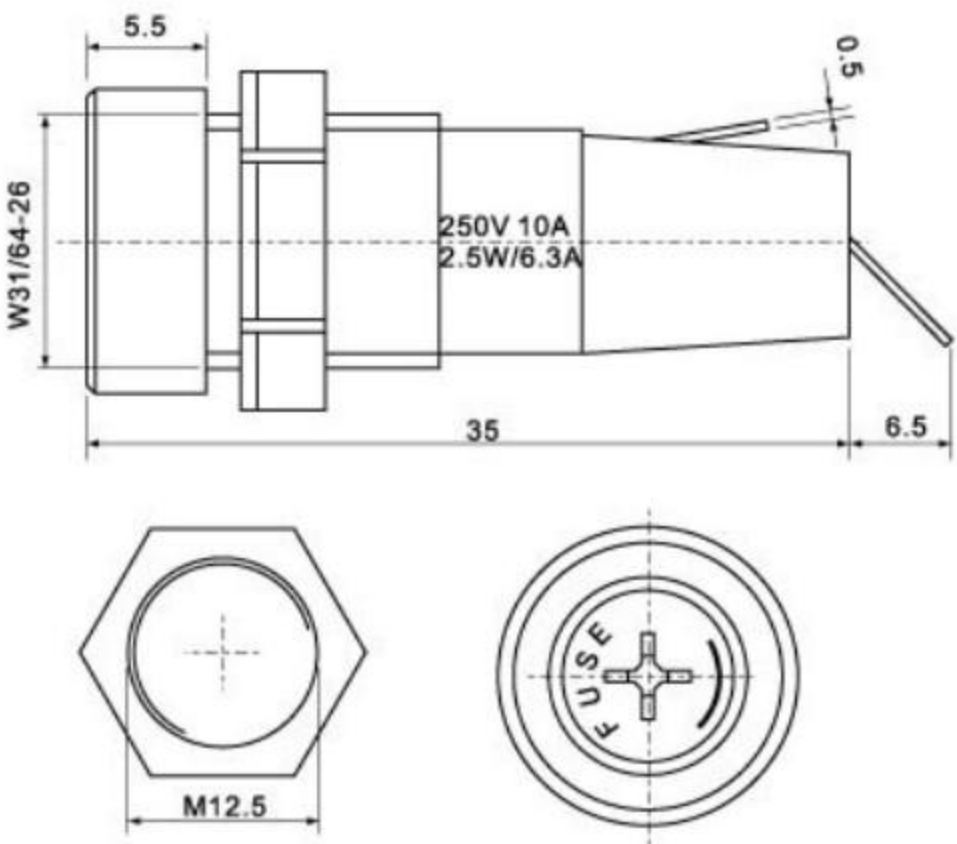
Current–Time Characteristics



FH501保險絲座 FUSE HOLDER



Approvals:IEC60127-6 GB 9364.6-2001
 UL512/CSA C22.2 NO.39

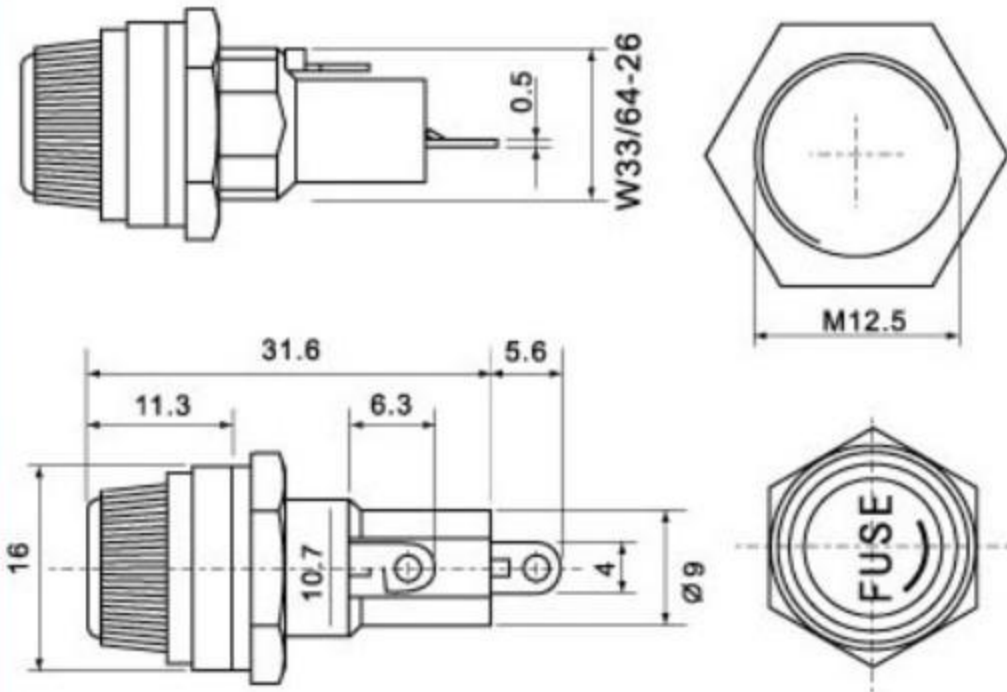


料号 Code	0403
型号 Model	FH501
材料 Material	PA
额定规格 Rating specs	10A250VAC
适用规格 Mounting specs	5.2X20FUSE
绝缘电阻 Insulation Resistance	500MΩ
绝缘强度 Withstand Voltage	AC2000V/1min

FH511保險絲座 FUSE HOLDER



Approvals:IEC60127-6 GB 9364.6-2001
 UL512/CSA C22.2 NO.39

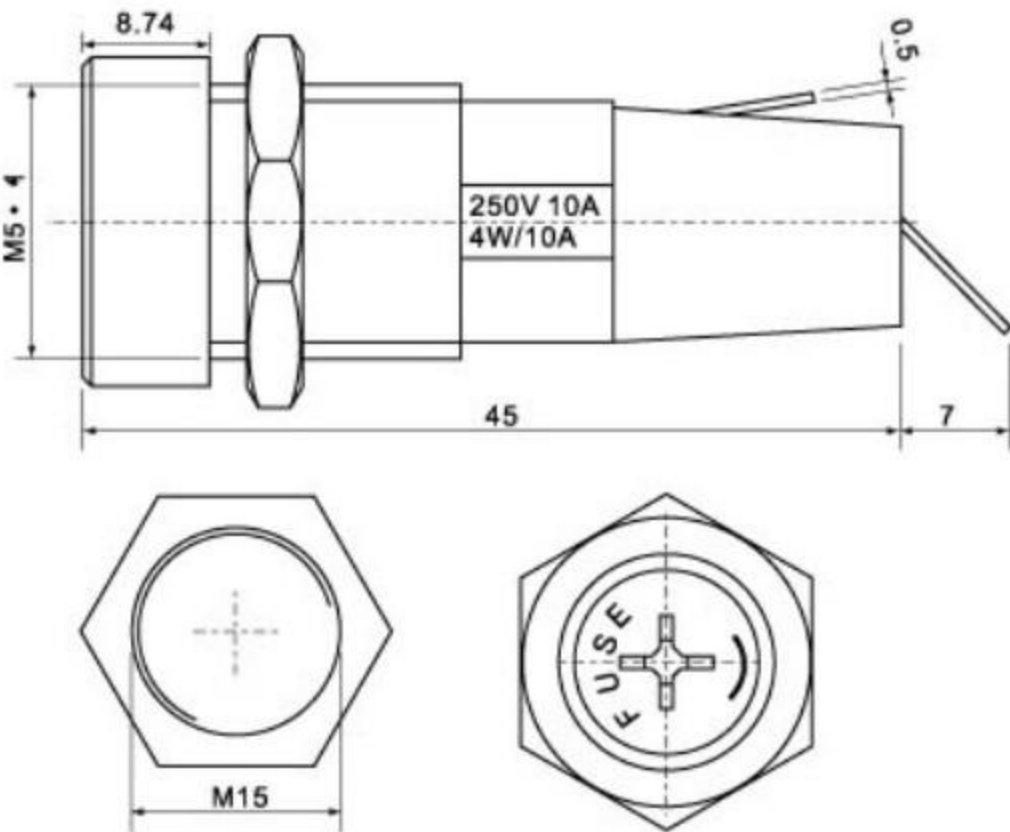


料号 Code	0402
型号 Model	FH511
材料 Material	电木 Black Thermoplastic
额定规格 Rating specs	10A250VAC
适用规格 Mounting specs	5.2X20FUSE
绝缘电阻 Insulation Resistance	500MΩ
绝缘强度 Withstand Voltage	AC2000V/1min

FH601保險絲座 FUSE HOLDER



Approvals:IEC60127-6 GB 9364.6-2001
 UL512/CSA C22.2 NO.39



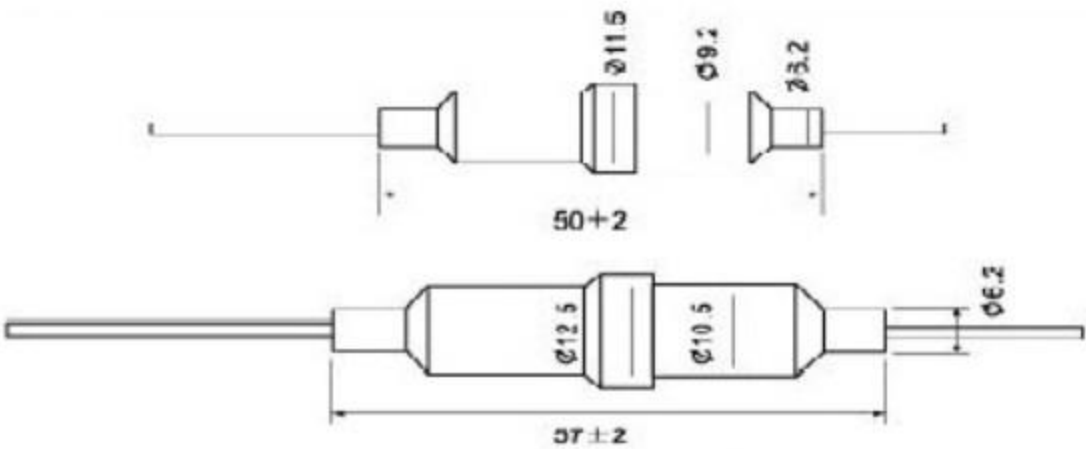
料号 Code	0403
型号 Model	FH601
材料 Material	PA
额定规格 Rating specs	10A250VAC
适用规格 Mounting specs	6.3X32FUSE
绝缘电阻 Insulation Resistance	500MΩ
绝缘强度 Withstand Voltage	AC2000V/1min

PL511\611保險絲座 FUSE HOLDER



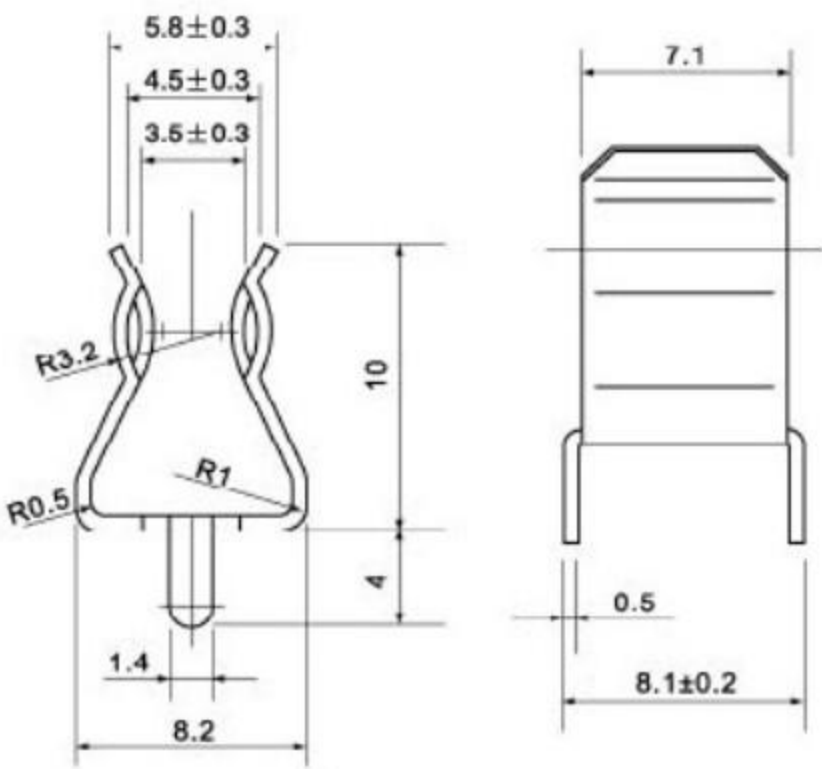
PL511

PL611



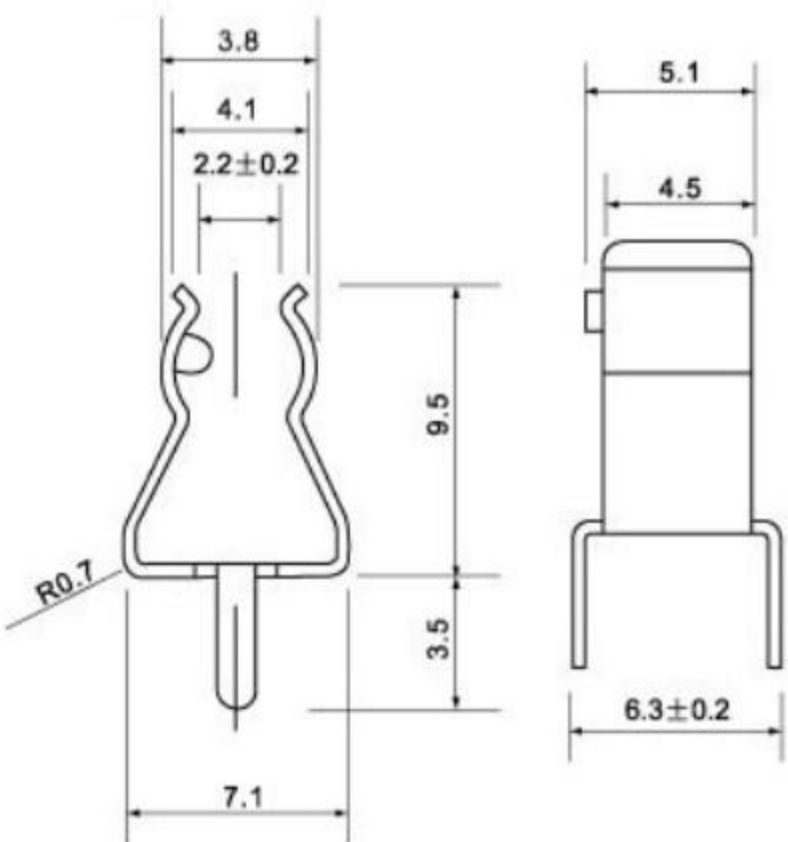
料号 Code	0405	0406
型号 Model	PL511	PL611
材料 Material	电木 Black Thermoplastic	电木 Black Thermoplastic
适配保险丝 Mounting fuses	5.2x20	6.3x32

CL301保險絲座 FUSE HOLDER



料号 Code	0131
旧型号 Old model	G031
新型号 New model	CL301
材料 Material	黄铜(H)磷铜(L)
电镀层 Plated	镀锡(TI)镀镍(NI) 镀银(AG)
电流 Current(A)	< 10A
适用电压 Mounting voltage	250V
适用保险丝 Mounting fuses	6.3x32

CL202保險絲座 FUSE HOLDER



料号 Code	0122
旧型号 Old model	G011
新型号 New model	CL202
材料 Material	黄铜(H)磷铜(L)
电镀层 Plated	镀锡(TI)镀镍(NI) 镀银(AG)
电流 Current(A)	< 8A
适用电压 Mounting voltage	250V
适用保险丝 Mounting fuses	5.2x20



17AM(17AM+PTC) 系列

產品說明

17AM型熱保護器是采用專有技術制造，可根據整機電流大小來選擇不同阻值的感溫片，用于防止馬達、鎮流器、家用電器等過熱和過流雙重保護。17AM型熱保護器是一個微型、速動、熱動裝置，而且性能可靠。在熱保護科技領域內，它是一個被廣泛應用的保護元件。

应用范围

屏蔽磁極馬達、永久可分電容啓動馬達、日光燈鎮流器、照明燈具、變壓器、電池、吸塵器、汽車馬達、電熱毯、加熱坐墊、PC電路板等。

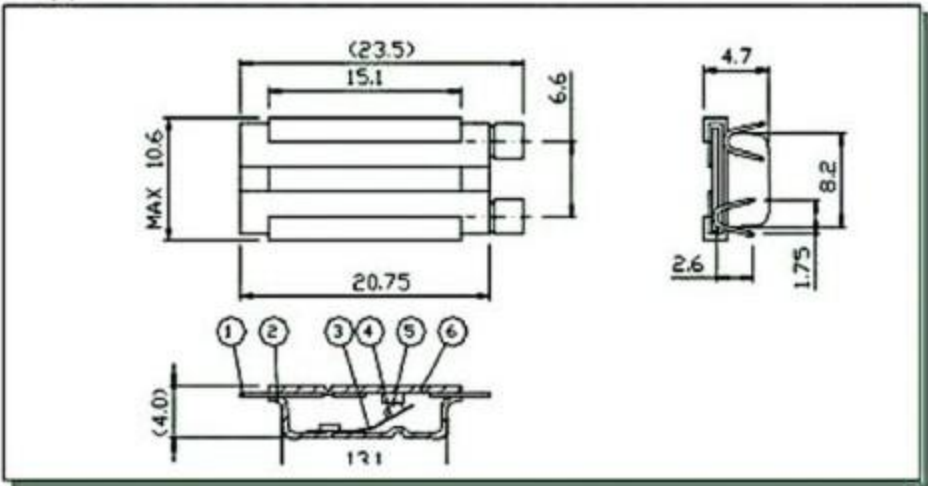


型號命名標識

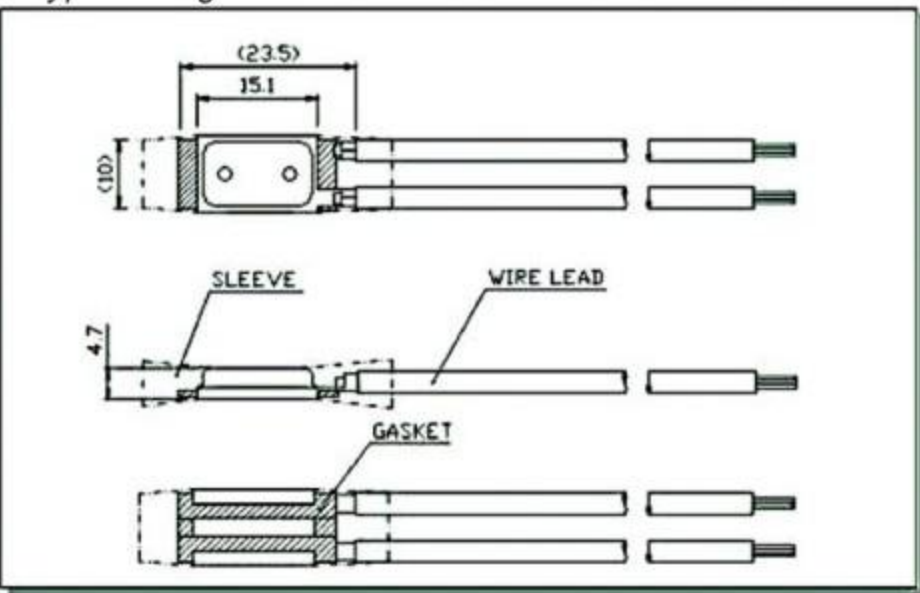
17AM	*	***°C	A或B或無	3、5、7、10或無
產品型號	客戶代碼A-Z或無	動作溫度	端子方向	溫度公差

外形尺寸

A-type Construction



A-type Configuration



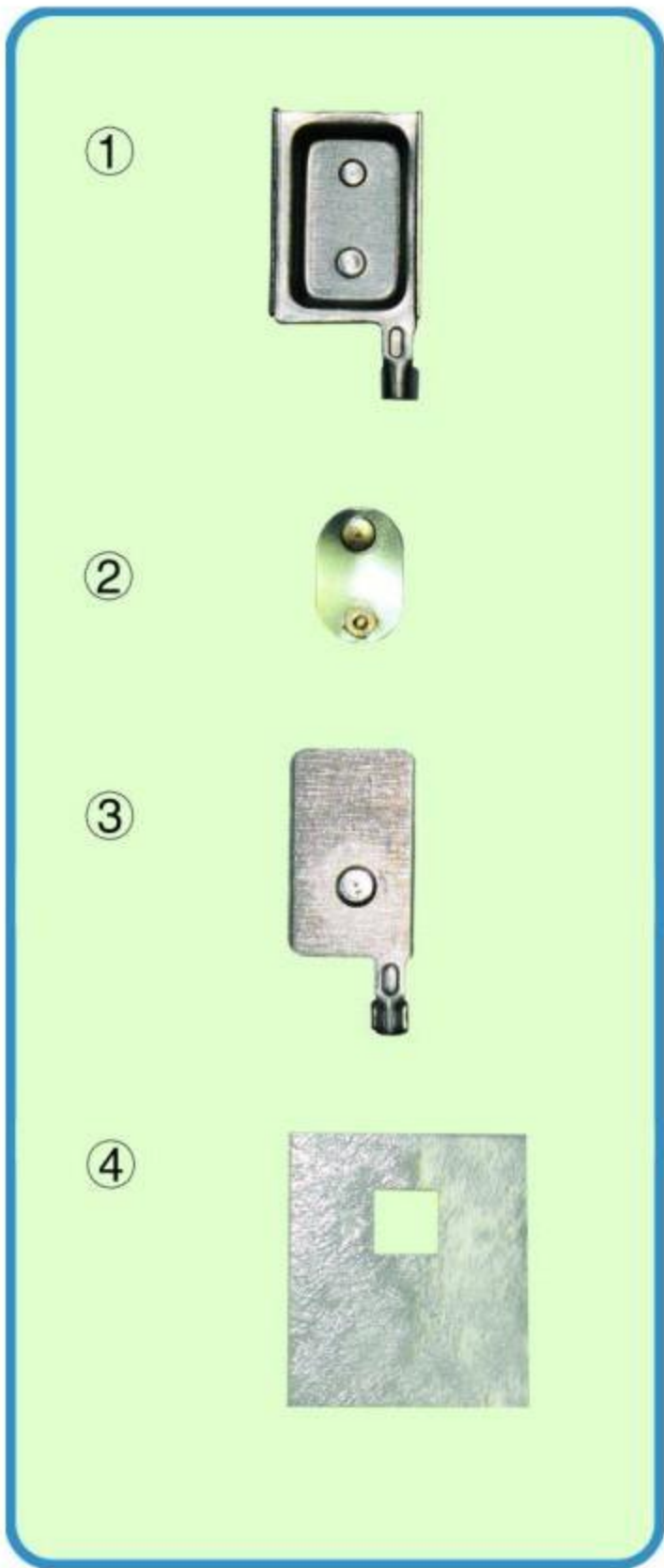
引線規格

CCC\UL\VDE電子綫，
引綫規格顏色長度等可根據顧客要求制作。

觸點容量

在下列條件下可動作用10000次以上
Under the condition listed below, it can act over 10000 times,

型 号 17AM*	电压Voltage	24V-DC	115V-AC	250V-AC
17AM* ***°C	电流Currrent	22A	22A	8A
17AM* ***°C	电流Currrent	22A	22A	16A
17AM* ***°C	电流Currrent	10万次动作寿命		1A



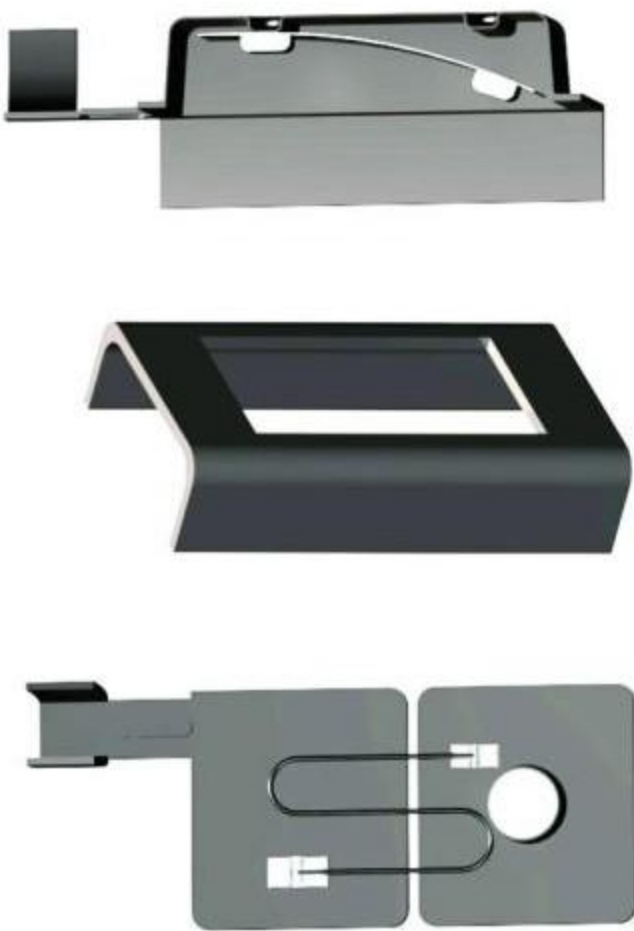
- 1.外壳
- 2.感温片
- 3.底板
- 4.绝缘纸



17AMT發熱絲系列

產品說明

17AMT是我司研發的一款專利產品，在原有17AM的基礎出增加發熱絲與雙金屬片形成串聯，主要為滿足客戶小電流產品，具有過流、感溫雙重保護功能的保護元件。它能夠精確控制電機堵轉或電流過量對電機的損傷，及時的斷開電機的電路，並且在手動復位的產品能在第一時間即用戶的電器在使用中出現異常時，電機堵轉或者溫度升高使保護器動作，保護器能一次鎖定，不會出現二次自動復位運行電器所帶來對人體的傷害。



應用範圍

串激電機、電動工具，吸塵器，園林工具，鎮流器，各類電器。

型號命名標識

17AMT	***℃	A或B或無	3、5、7、10或無	+PTC
產品型號	動作溫度	端子方向	溫度公差	斷電復位

自動復位型工作設計原理如下：

(1) 大電流過載保護原理：

17AMT熱保護器中的輔助發熱片與雙金屬片匹配在一起。具有精確控制過載電流跳脫時間的作用。當電機、變壓器...處於電流過大或堵轉電流超過熱保護器設定的跳脫值時，保護器能瞬間切斷電路，使電器得到保護。

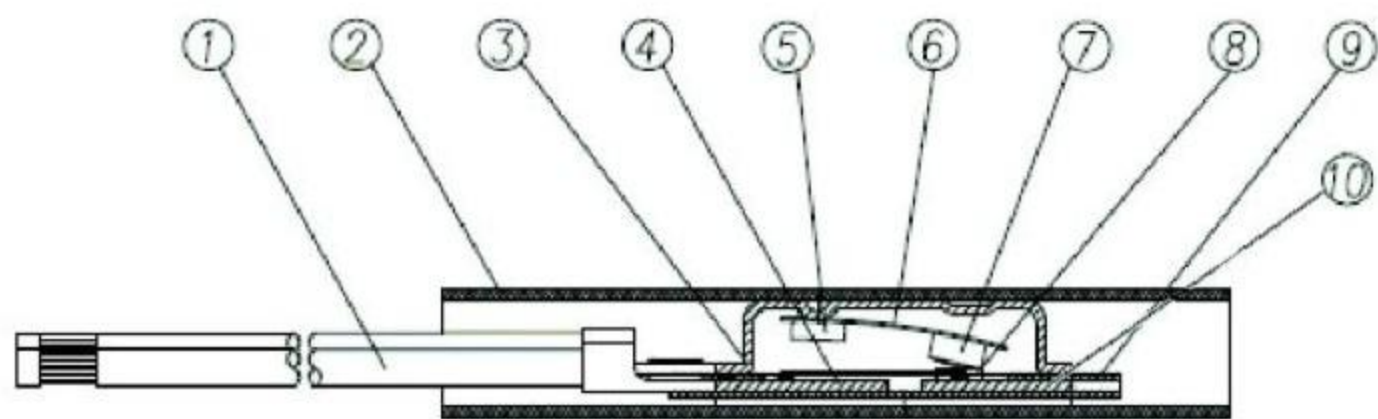
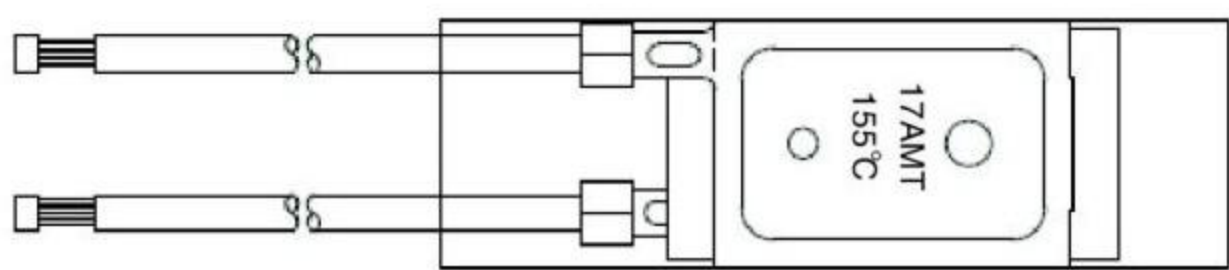
電流過載跳脫值設計範圍：2.5A ~30A

(2) 溫度保護原理：

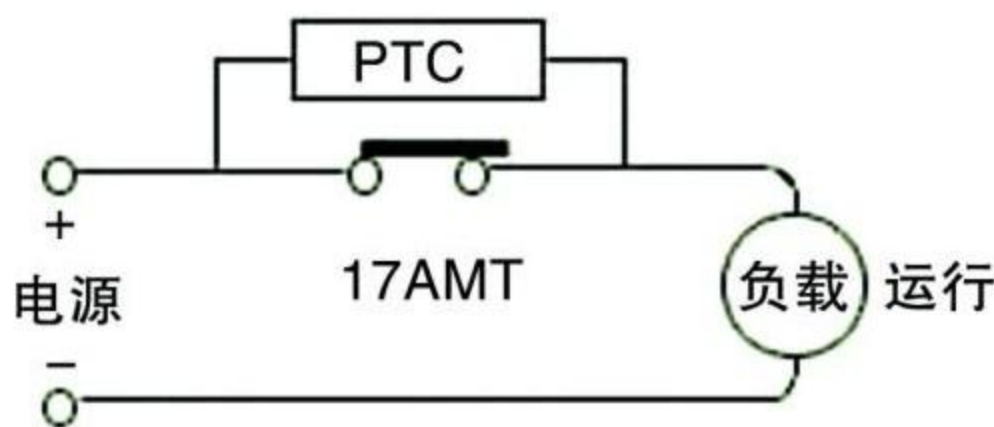
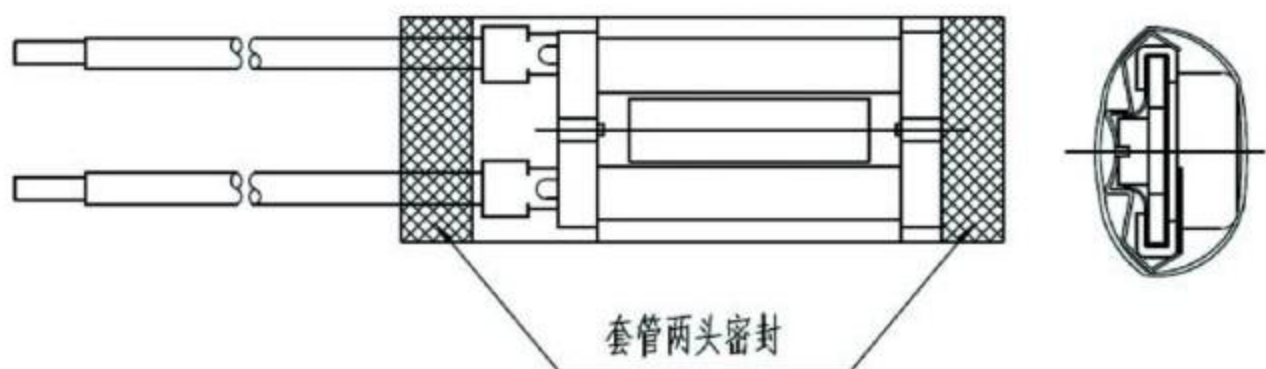
17AMT熱保護器能夠精確控制電器溫度。電流通過雙金屬簧片，當電器不能正常工作，使周圍的溫度過高時，熱保護器的雙金屬簧片斷開銀觸點，使電器得到保護。當熱保護器冷卻到安全溫度時，觸點自動閉合復位。

跳脫溫度選擇範圍：40℃ ~180℃

外形結構圖



序 號	1	2	3	4	5	6	7	8	9	10
零部件名稱	電子綫	絕緣護套	外殼	底板	固定鐵釘	雙金屬片	動觸點	靜觸點	絕緣紙	發熱絲



KW系列

產品說明

KW***℃* (T型鐵殼\B型塑殼) 溫度保護器，是我司開發的一款專利產品。由條形高靈敏雙金屬元件、動觸頭、靜觸片、耐溫導線等組成。工作時雙金屬元件固定在底板上，處於固定狀態、動觸頭與靜觸片閉合，電路導通。當使用電器因故發熱，溫度上升到該產品額定動作溫度值時，雙金屬元件受熱產生內應力而迅速動作，推開動觸頭，使觸點斷開，切斷電源，電器停止工作，從而起到過熱保護作用。當被保護電器溫度下降到該產品的額定復位溫度值時，雙金屬元件恢復到初始原狀態動觸點閉合，電器恢復工作。該產品的保護功能可分為常開型、常閉型兩種，具有電阻小，無噪聲，抗震動，感溫快，密封牢固，安全可靠等優點。

應用範圍

1.5馬力以下的各類馬達，空調風扇電機、風機盤管電機、風幕電機、洗衣機電機、幹衣機電機、汽車直流電機、抽油煙電機、微波爐電機、電動工具、電子組件變壓器、鎮流器、過膠機、電池組、螺絲管、電熱電器等。

型號命名標識

KW	***℃	1、2、3	T	或	B	塑殼
產品型號	動作溫度	外形尺寸代碼	金屬外殼		塑料外殼	

外形尺寸

KW***℃*T型	外形尺寸 Overall dimensions(mm)		
Model	L	H	D
KW-***℃1T	20	7.4	3.6
KW-***℃2T	21	8	4.2
KW-***℃3T	15	6.7	3.1
KW-E***℃	21	7.4	3.6
KW***℃*B型	外形尺寸 Overall dimensions(mm)		
KW-***℃1B	19.5/18	8	4/3.9
KW-***℃2B	21	12	5
KW-***℃3B	15	7	3.8
超薄型	15	5.4	2.4

引線規格

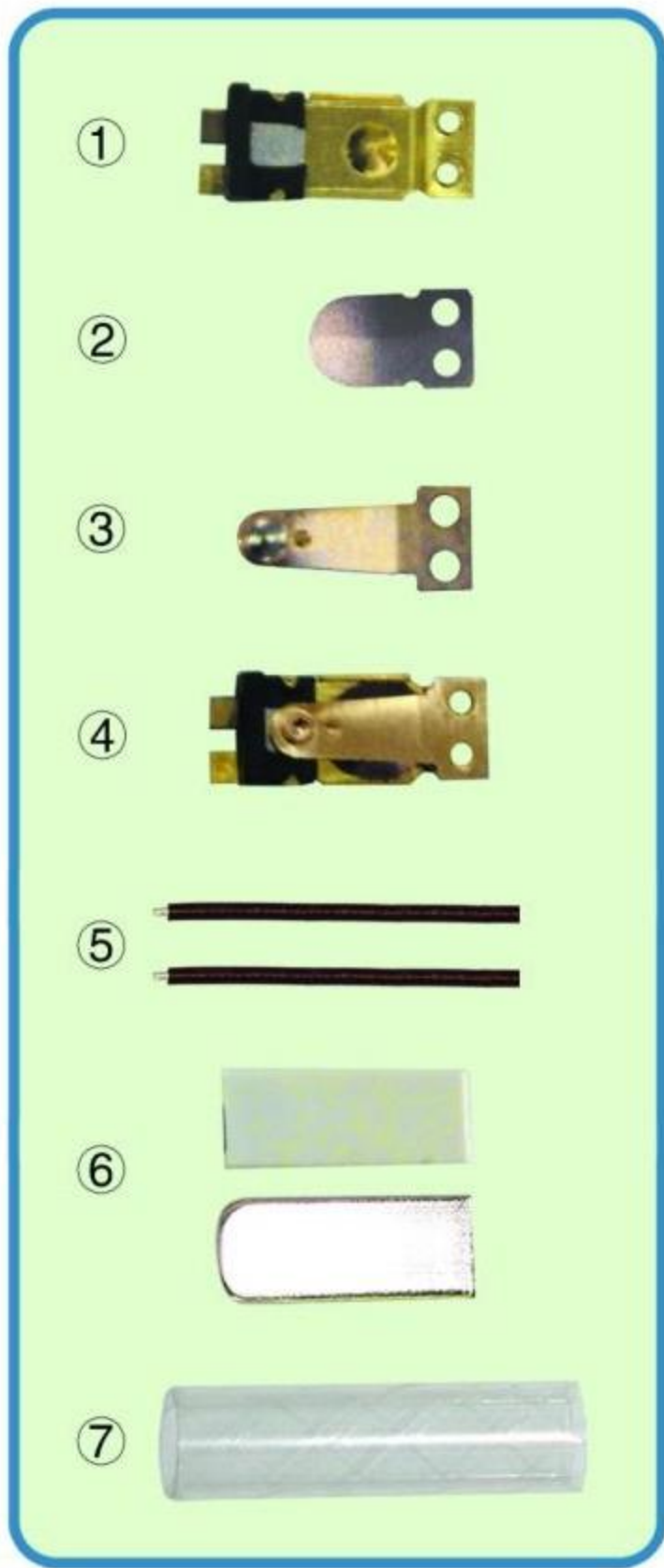
CCC\UL\VDE電子綫，引綫規格顏色長度等可依據客戶要求制作。

觸點容量

在下列條件下可動作用10000次以上

Under the condition listed below, it can act over 10000 times,

型號	電壓Voltage	24V-DC	115V-AC	250V-AC
KW***℃ 1T\1B	電流Current	6A	10A	6A或10A
KW***℃ 2T\2B	電流Current	15A	22A	15A
KW***℃ 3T\3B	電流Current	5A	6A	5A
KW-E***℃	電流Current	6A	6A	6A



1.底板 2.雙片 3.彈簧片
4.感溫組件 5.導綫 6.外殼
7.絕緣管



KW02系列

產品說明

KW***°C*T02型(鐵殼)、KW***°C*B02型(塑殼)溫度保護器是在原KW系列上改型的過熱過流保護產品，由條形高靈敏雙金屬元件作為過載體，電流從雙金屬元件通過從而起到過熱過流雙重保護作用。該產品能夠實現自動化生產，具有更高的性價比。

應用範圍

1.5馬力以下的各類馬達，空調風扇電機、風機盤管電機、風幕電機、洗衣機電機、幹衣機電機、汽車直流電機、抽油煙電機、微波爐電機、電動工具、電子組件變壓器、鎮流器、過膠機、電池組、螺紋管、電熱電器等。



鐵殼

型號命名標識

KW	***°C	1、2、3	T	或	B	02
產品型號	動作溫度	外形尺寸代碼	金屬外殼		塑料外殼	產品代碼

外形尺寸

KW***°C*T02型	外形尺寸 Overall dimensions(mm)		
Model	L	H	D
KW-***°C1T02	20	7.4	3.6
KW-***°C3T02	15	6.7	3.1
加厚型鐵殼	15.8	7.2	3.8
KW-E***°C 02	21	7.4	3.6
KW***°C*B02型	外形尺寸 Overall dimensions(mm)		
KW-***°C1B02	19.5/18	8	4
KW-***°C3B02	15.5	7.2	3.8
超薄型塑殼	15	5.4	2.4

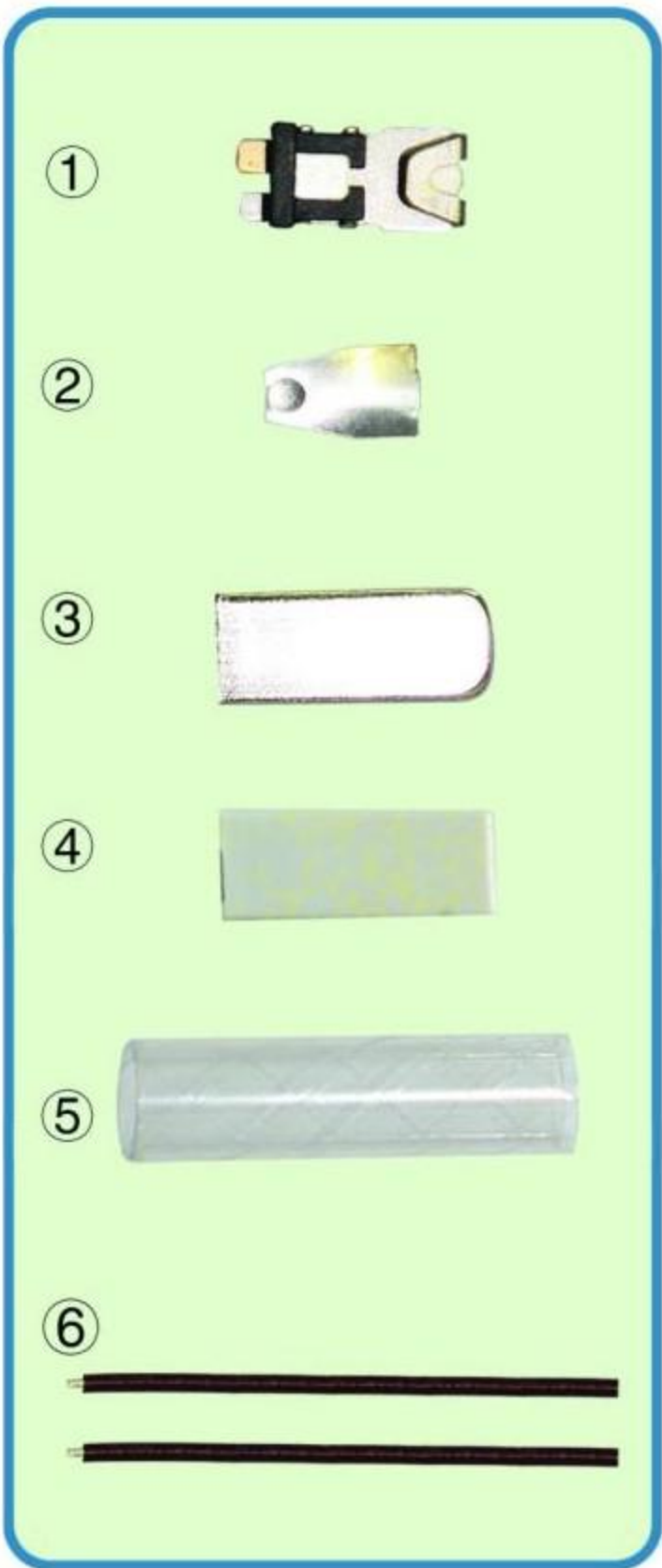
引線規格

CCC/VDE/UL電子綫
引綫規格顏色長度等可依據顧客要求制作

觸點容量

在下列條件下可動作用10000次以上
Under the condition listed below, it can act over 10000 times,

型 號	電壓 Voltage	24V-DC	115V-AC	250V-AC
KW***°C 1T1B02	電流 Current	5A	5A	5A
KW***°C 3T3B02	電流 Current	5A	5A	5A
KW-E***°C02	電流 Current	5A	5A	5A



1.底板 2.感溫片 3.鐵殼
4.塑殼 5.絕緣管 6.導綫



3MP/6AP

產品說明

3MP/6AP保護器是一款同時具有過流、感溫雙重保護功能的保護元件。它能够精確控制電機堵轉或電流過量對電機的損傷。

應用範圍

串激電機、電動工具，吸塵器，園林工具，鎮流器，各類電器。

自動復位型工作設計原理如下：

(1)大電流過載保護原理：

3MP/6AP熱保護器中的輔助發熱片與雙金屬片匹配在一起。具有精確控制過載電流跳脫時間的作用。當（電機、變壓器...）處于電流過大或堵轉電流超過熱保護器設定的跳脫值時，保護器能瞬間切斷電路，使電器得到保護。

（電流過載跳脫值設計範圍：2.5A ~30A）

(2)溫度保護原理：

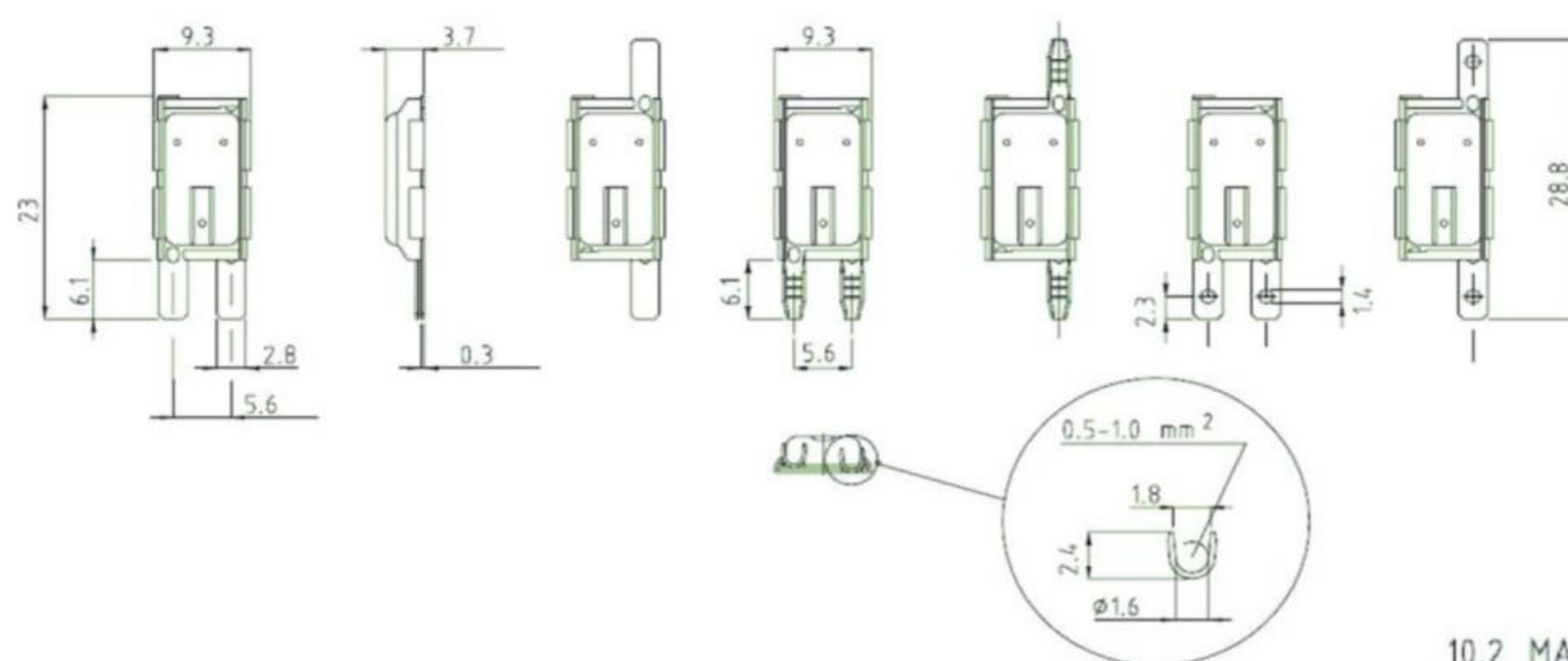
3MP/6AP熱保護器能够精確控制電器溫度。電流通過雙金屬簧片，當電器不能正常工作，使周圍的溫度過高時，熱保護器的雙金屬簧片斷開銀觸點，使電器得到保護。當熱保護器冷卻到安全溫度時，觸點自動閉合復位。

（跳脫溫度選擇範圍：40℃ ~180℃）

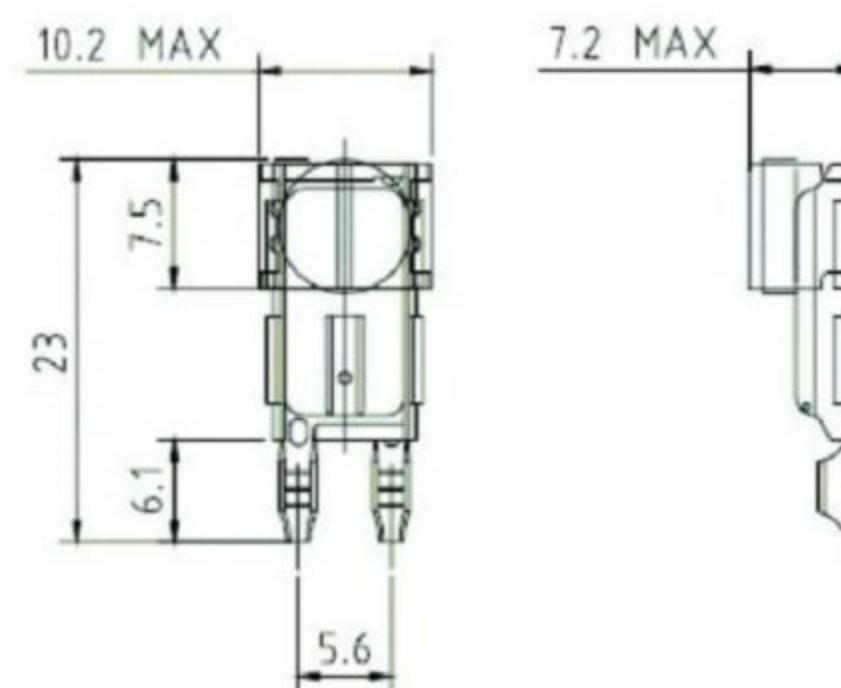
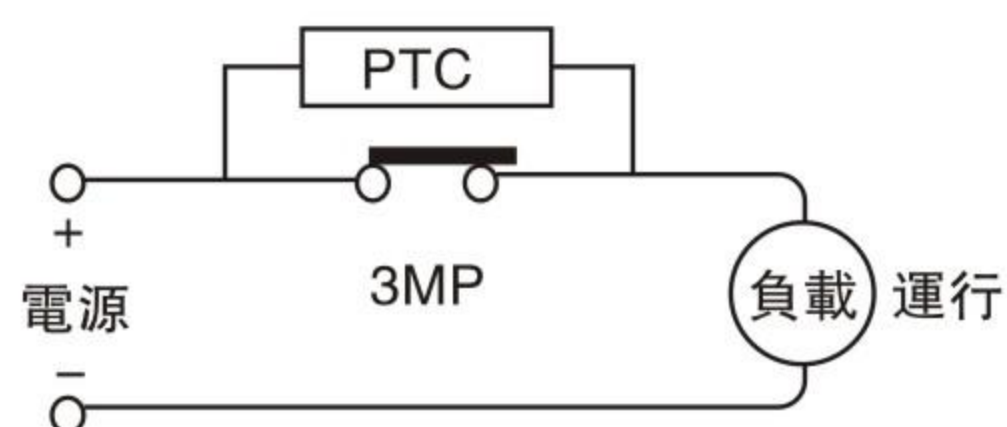
溫度範圍、公差以及電壽命：

- 使用溫度範圍：5℃-180℃，可依客户要求提供其範圍內的任一溫度；
- 溫度公差：±3℃，±5℃，±8℃，三種公差供客戶選擇，一般為±5℃；
- 可承受十萬次耐久壽命及10000小時連續工作

3MP/6AP端子形式及產品爆炸圖：



手動（斷電）復位型工作設計原理如下：



(1) 3MP熱保護器與PTC形成并聯電路，然後與負載（馬達）串聯，負載正常運行時PTC不會產生高溫。



3MP/6AP

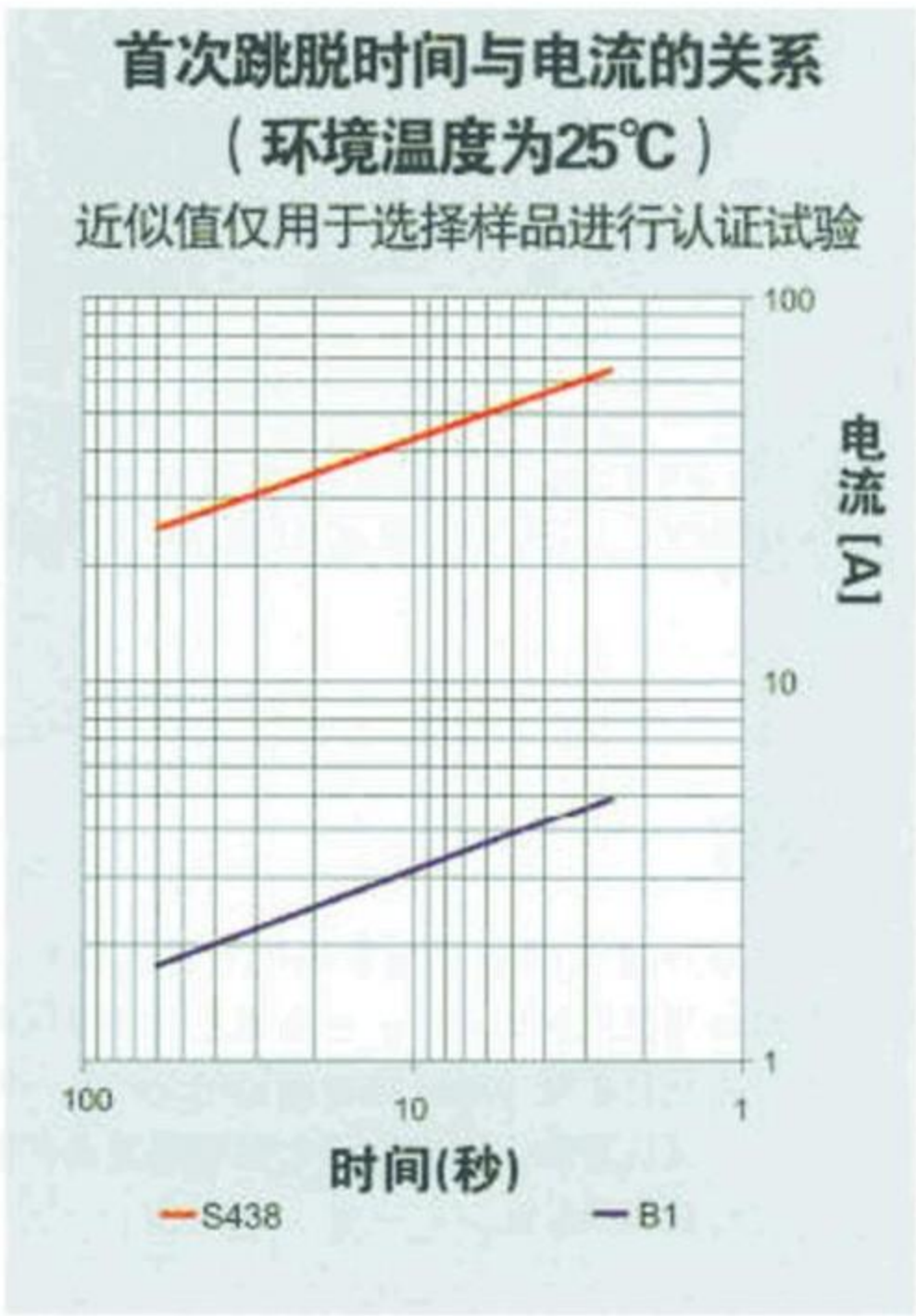
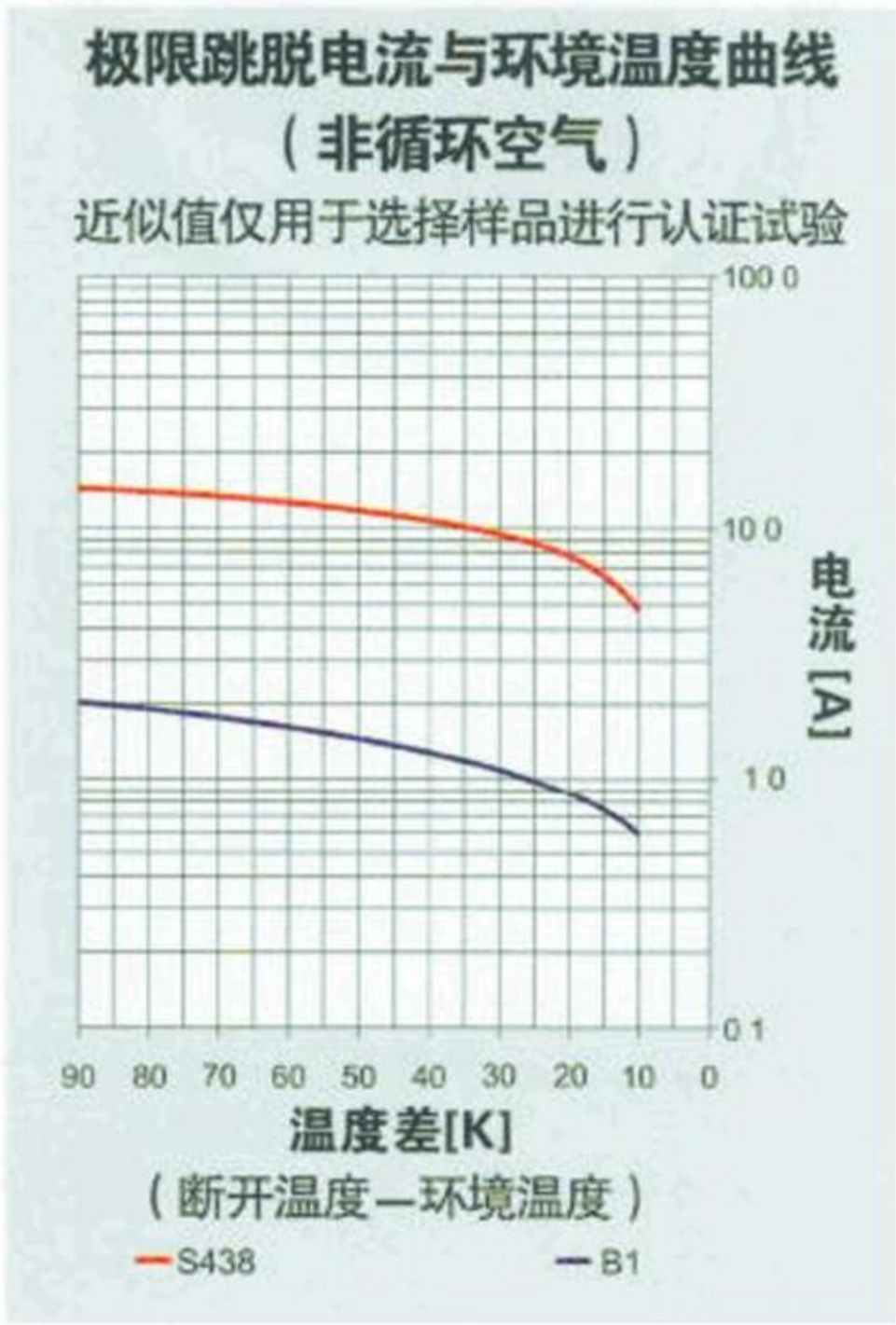
- (2) 當負載異常時產生的高溫或大電流會使3MP熱保護器斷路，此時PTC元件會產生高溫（ PTC 的高溫會使3MP熱保護器一直保持于斷路狀態 ），負載停止運行。
- (3) 當電源被手動斷開後，PTC開始降溫，經過一定時間降溫後3MP熱保護器 觸點復位，再次接通電源，負載運轉。

外形尺寸 (厚 x 寬 x 長) : 3. 7 x 9. 3 x 16. 9 mm

3MP 电气规格外:	
额定电压	115V/240V-AC
电流跳脱值设计范围	2.5A~30A
跳脱时间	3 ~ 10s 秒

6MP 电气规格:	
额定电压	0 ~ 30V DC
电流跳脱值设计范围	2.5A ~ 30A
跳脱时间	3 ~ 10s 秒

3MP/6AP电流、温度、时间曲线图:



LB-A1



特性 Features:

- | | |
|---------------|---------------------------------------------|
| 1. 测温速度快; | 1. Temperature measurement speed; |
| 2. 体积小; | 2. Small size; |
| 3. 稳定性好, 耐震动; | 3. Good stability, resistance to vibration; |
| 4. 防刮割; | 4. scratch-proof plan; |

用途例: BMS新能源汽车电池, 汽车变频器 · 热水器贮槽 · 热泵热水器的温度检测

工作温度范围: -50 ~ +120℃

耐电压: AC1250V 1分钟, 或 AC1500V 1秒钟

绝缘电阻: DC500V 100MΩ 以上

电阻值: R25=10kΩ ※各种电阻值均能对应

B值: B25/85=3435K ※各种B值均能对应

Applications: BMS(BATTERY MANAGEMENT SYSTEM), EV/HEV motors & inverters (solid)Liquid level detection Automobile inverters, water heater tanks and heat pump water heaters (surface)

Operating temperature: -50 to +120℃

Withstand voltage: 1250VAC for 1 min. or 1500VAC for 1 sec.

Insulation resistance: ≥100MΩ at 500VDC

Resistance: R25 = 10kΩ Other options available

B constant: B25/85 = 3435K Other options available

LB-A2



特性 Features:

- | |
|---------------------------------------------------|
| 1. 在切削保护管中, 环氧树脂封装的结构。 |
| 2. 由于采用高耐热 · 高耐油性的环氧树脂, 可以工作在有油环境。 |
| 1. Epoxy resin-sealed into a cut protection tube. |
| 2. Highly heat and oil resistant epoxy resin. |

用途例: 引擎温度检测, 引擎油温检测, 水箱水温检测

工作温度范围: -30 ~ +120℃

热时间常数: τ ≈ 5秒钟(搅拌液中)

耗散常数: δ ≈ 5.2mW/℃

耐电压: AC1200V 1秒钟

绝缘电阻: DC500V 100MΩ 以上

电阻值: ※各种电阻值均能对应

B值: ※各种B值均能对应

Applications: Automobile engines (solid), engine oil (oil), radiators (water)

Operating temperature: -30 ~ +120℃

Thermal time constant: τ ≤ 5 sec. (in stirred liquid)

Dissipation constant: δ ≈ 5.2mW/℃

Withstand voltage: 1200VAC for 1 sec.

Insulation resistance: ≥100MΩ at 500VDC

Resistance: Other options available

B constant: Other options available

LB-A3



特性 Features:

1. 由于對銅保護管密封玻璃封裝熱敏電阻，高可靠性而且廣泛溫度範圍內可以用。
2. 可以用的保護管種類豐富。

1. A glass-encapsulated thermistor element is sealed in a copper protection tube.
2. Many variants of the protection tube are available

用途例：空調戶外機・配管・吐出管的溫度檢測、除濕機的溫度檢測、冷凍機的水溫檢測、冷卻器的潤滑劑油溫檢測、制冷展櫃內部溫度檢測

工作溫度範圍： -30 ~ +120℃

熱時間常數： $\tau \approx 7$ 秒鐘(攪拌水中)

耗散常數： $\delta \approx 3.3\text{mW}/^\circ\text{C}$

耐電壓： AC1200V 1秒鐘，或 AC1500V 1秒鐘

絕緣電阻： DC500V 100MΩ 以上

電阻值： ※各種電阻值均能對應

B值： ※各種B值均能對應

Applications: Automobile air conditioners & radiators and showcase refrigerators (ambient); air conditioner outdoor units & pipes incl. discharge pipes and dehumidifiers (solid inside/surface); freezing machines (water); chiller lubricant (oil);

Operating temperature: -30 ~ +120℃

Thermal time constant: $\tau \approx 7$ sec. (in stirred water)

Dissipation constant: $\delta \approx 3.3\text{mW}/^\circ\text{C}$

Withstand voltage: 1200VAC for 1 sec.

Insulation resistance: $\geq 100\text{M}\Omega$ at 500VDC

Resistance: Other options available

B constant: Other options available

LB-A4



特性 Features:

彈簧式探針設計，耐高溫。

Spring type probe design, high temperature resistance.

用途例：新能源電池測試儀，電容測試儀等設備

工作溫度範圍： -50~500℃

適用電阻： NTC或PT100/1000鉑金電阻

電阻值： 10KΩ 及其他阻值

B值： 3950或其他值

Applications: New energy battery tester, capacitance tester and other equipment

Operating temperature: -50 ~ 500℃

Applicable resistance: NTC or PT100/1000 platinum resistance

Resistance: 10k Other options available

B constant: 3950 Other options available



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