DONGGUAN TECHRICH ELECTRONICS CO.,LTD.

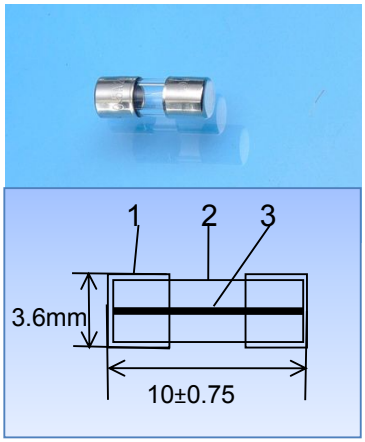
Product Categary **Page Number**

THE MOST PROFESSIONAL CIRCUIT PROTECTION DEVICES MANUFACTURER IN CHINA

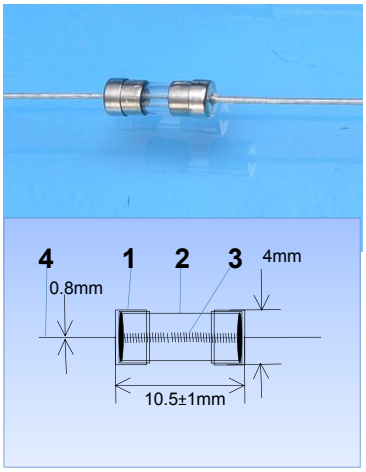
3.6X10mm

玻璃管保险丝(快断型)
Glass Tube Fuse（Fast-Acting）

结构说明 Structure



结构体 STRUCTURE			材质MATERIAL	
1	金属帽	Ferrule	铜材镀镍	Electroless Nickle-cooper
2	管体	Tube	玻璃管	Glass tube
3	熔丝	Wire	合金	Metal
4	焊接脚	Solder pin	镀锡铜线	Tinned wire



额定电流 RATE CURRENT	额定电压 RATED VOLTAGE		安规认证 Safe authentication					
			UL	CUL	PSE	VDE	CQC	ROHS
250mA	125V	250V	●	●		●		●
315mA	125V	250V	●	●		●		●
500mA	125V	250V	●	●	●	●	●	●
630mA	125V	250V	●	●		●		●
800mA	125V	250V	●	●		●		●
1A	125V	250V	●	●	●	●	●	●
1.25A	125V	250V	●	●	●	●	●	●
1.5A	125V	250V	●	●	●			●
1.6A	125V	250V	●	●		●	●	●
2A	125V	250V	●	●	●	●	●	●
2.5A	125V	250V	●	●	●	●	●	●
3A	125V	250V	●	●	●		●	●
3.15A	125V	250V	●	●	●	●	●	●
3.5A	125V	250V	●	●	●	●		●
4A	125V	250V	●	●	●	●	●	●
5A	125V	250V	●	●	●	●	●	●
6A	125V	250V	●	●	●		●	●
6.3A	125V	250V	●	●	●	●	●	●
8A	125V	250V	●	●				●

电器性能 Electrical features

- UL:248-1，UL248-13

Testing current 測試電流	Blow time limit 熔斷時間	
	Min 最小	Max 最大
100%	4 hour (小时)	
135%		1 hour （小时）
200%		60sec(秒）
1000%		20ms（毫秒）

IEC：60127-1，GB:9364.3-1997

Testing current 測試電流	Blow time limit 熔斷時間	
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100%	4 hour (小时)	
150%	1 hour （小时）	
210%		30min(分钟）
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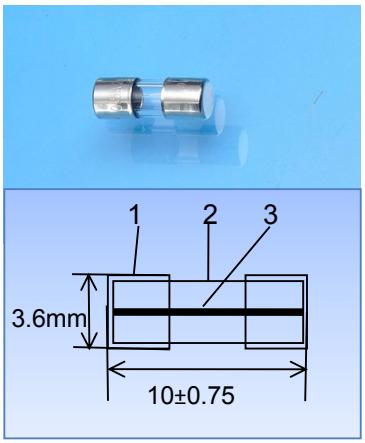
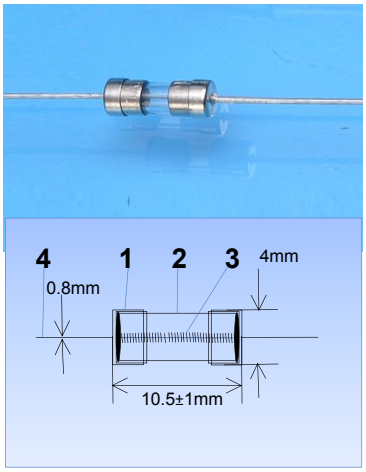
UL跟VDE同时在一个产品上面的时候特性依照IEC60127执行标准为准，符号为 标示。

3.6X10mm

玻璃管保险丝(延时型)
Glass Tube Fuse (Time-Delay)





结构说明 Structure

结构体 STRUCTURE			材质MATERIAL	
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315mA	125V	250V	●	●		●		●
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630mA	125V	250V	●	●		●		●
800mA	125V	250V	●	●		●		●
1A	125V	250V	●	●	●	●	●	●
1.25A	125V	250V	●	●	●	●	●	●
1.5A	125V	250V	●	●	●			●
1.6A	125V	250V	●	●		●	●	●
2A	125V	250V	●	●	●	●	●	●
2.5A	125V	250V	●	●	●	●	●	●
3A	125V	250V	●	●	●		●	●
3.15A	125V	250V	●	●	●	●	●	●
3.5A	125V	250V	●	●	●	●		●
4A	125V	250V	●	●	●	●	●	●
5A	125V	250V	●	●	●	●	●	●
6A	125V	250V	●	●	●		●	●
6.3A	125V	250V	●	●	●	●	●	●
8A	125V	250V	●	●				●

电器性能 Electrical features

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Testing current 測試電流	Blow time limit 熔斷時間	
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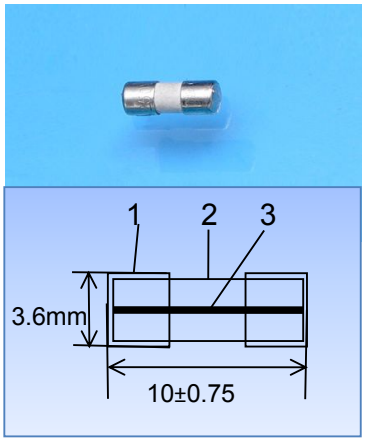
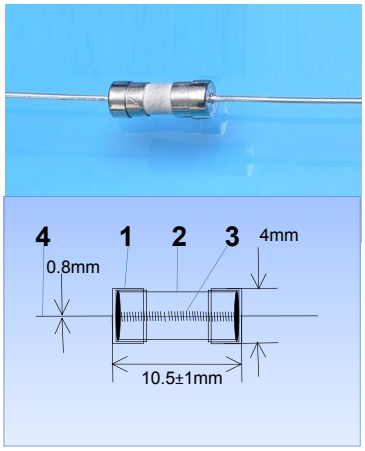
3.6X10mm

陶瓷管保险丝(快断型)

Ceramic Tube Fuse（Fast-Acting）





结构说明 Structure

结构体 STRUCTURE			材质MATERIAL	
1	金属帽	Ferrule	铜材镀镍	Electroless Nickle-cooper
2	管体	Ceramic	陶瓷管	Ceramic Tube
3	熔丝	Wire	合金	Metal
4	焊接脚	Solder pin	镀锡铜线	Tinned wire

额定电流 RATE CURRENT	额定电压 RATED VOLTAGE		安规认证 Safe authentication			
			UL	CUL	PSE	ROHS
250mA	250V	350V	●	●		●
315mA	250V	350V	●	●		●
500mA	250V	350V	●	●	●	●
630mA	250V	350V	●	●		●
800mA	250V	350V	●	●		●
1A	250V	350V	●	●	●	●
1.25A	250V	350V	●	●	●	●
1.5A	250V	350V	●	●	●	●
1.6A	250V	350V	●	●		●
2A	250V	350V	●	●	●	●
2.5A	250V	350V	●	●	●	●
3A	250V	350V	●	●	●	●
3.15A	250V	350V	●	●	●	●
3.5A	250V	350V	●	●	●	●
4A	250V	350V	●	●	●	●
5A	250V	350V	●	●	●	●
6A	250V	350V	●	●	●	●
6.3A	250V	350V	●	●	●	●
8A	250V	350V	●	●		●

电器性能 Electrical features

- UL:248-1 , UL248-13

Testing current 測試電流	Blow time limit 熔斷時間	
	Min 最小	Max 最大
100%	4 hour (小时)	
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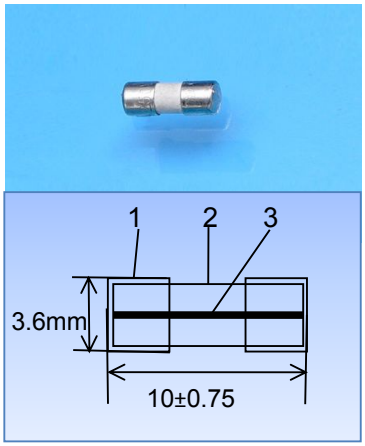
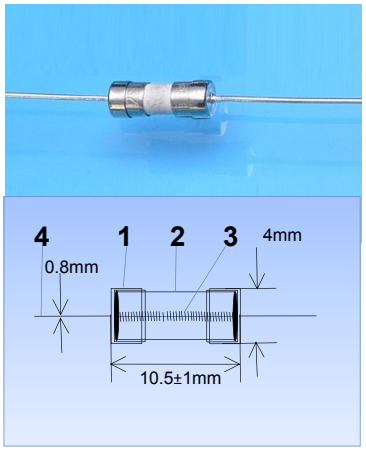
3.6X10mm

陶瓷管保险丝(延时型)
Ceramic Tube Fuse（Time-Delay）

结构说明 Structure



结构体 STRUCTURE			材质MATERIAL	
1	金属帽	Ferrule	铜材镀镍	Electroless Nickle-cooper
2	管体	Ceramic	陶瓷管	Ceramic Tube
3	熔丝	Wire	合金	Metal
4	焊接脚	Solder pin	镀锡铜线	Tinned wire



额定电流 RATE CURRENT	额定电压 RATED VOLTAGE		安规认证 Safe authentication					
			UL	CUL	PSE	VDE	CQC	ROHS
250mA	125V	250V	●	●		●		●
315mA	125V	250V	●	●		●		●
500mA	125V	250V	●	●	●	●	●	●
630mA	125V	250V	●	●		●		●
800mA	125V	250V	●	●		●		●
1A	125V	250V	●	●	●	●	●	●
1.25A	125V	250V	●	●	●	●	●	●
1.5A	125V	250V	●	●	●			●
1.6A	125V	250V	●	●		●	●	●
2A	125V	250V	●	●	●	●	●	●
2.5A	125V	250V	●	●	●	●	●	●
3A	125V	250V	●	●	●		●	●
3.15A	125V	250V	●	●	●	●	●	●
3.5A	125V	250V	●	●	●	●		●
4A	125V	250V	●	●	●	●	●	●
5A	125V	250V	●	●	●	●	●	●
6A	125V	250V	●	●	●		●	●
6.3A	125V	250V	●	●	●	●	●	●
8A	125V	250V	●	●				●

电器性能 Electrical features

- UL:248-1，UL248-13

Testing current 測試電流	Blow time limit 熔斷時間	
	Min 最小	Max 最大
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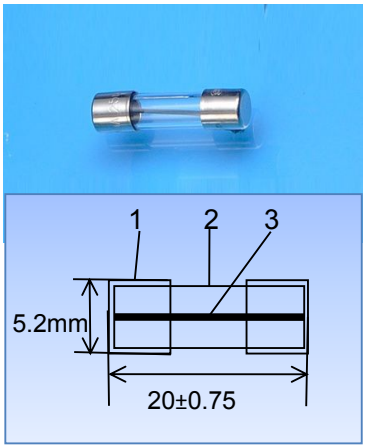
5.2X20mm

玻璃管保险丝(快断型)
Glass Tube Fuse（Fast-Acting）

结构说明 Structure



结构体 STRUCTURE			材质MATERIAL	
1	金属帽	Ferrule	铜材镀镍	Electroless Nickle-cooper
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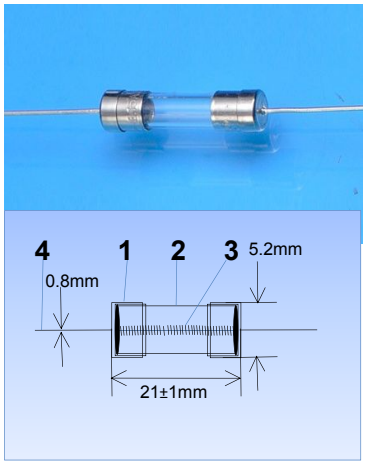

额定电流 RATE CURRENT	额定电压 RATED VOLTAGE		安规认证 Safe authentication					
			UL	CUL	PSE	VDE	CQC	ROHS
250mA	125V	250V	●	●		●		●
315mA	125V	250V	●	●		●		●
500mA	125V	250V	●	●	●	●	●	●
630mA	125V	250V	●	●		●		●
800mA	125V	250V	●	●		●		●
1A	125V	250V	●	●	●	●	●	●
1.25A	125V	250V	●	●	●	●	●	●
1.5A	125V	250V	●	●	●			●
1.6A	125V	250V	●	●		●	●	●
2A	125V	250V	●	●	●	●	●	●
2.5A	125V	250V	●	●	●	●	●	●
3A	125V	250V	●	●	●		●	●
3.15A	125V	250V	●	●	●	●	●	●
3.5A	125V	250V	●	●	●	●		●
4A	125V	250V	●	●	●	●	●	●
5A	125V	250V	●	●	●	●	●	●
6A	125V	250V	●	●	●		●	●
6.3A	125V	250V	●	●	●	●	●	●
8A	125V	250V	●	●				●

电器性能 Electrical features

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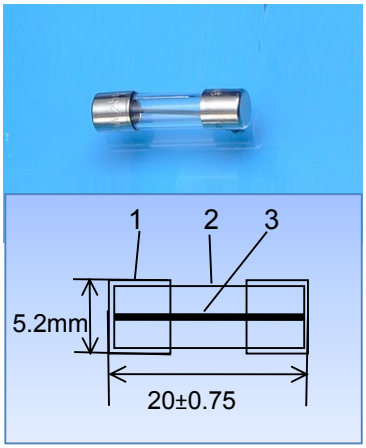
5.2x20mm

玻璃管保险丝(延时型)

Glass Tube Fuse (Time-Delay)

结构说明 Structure



结构体 STRUCTURE			材质MATERIAL	
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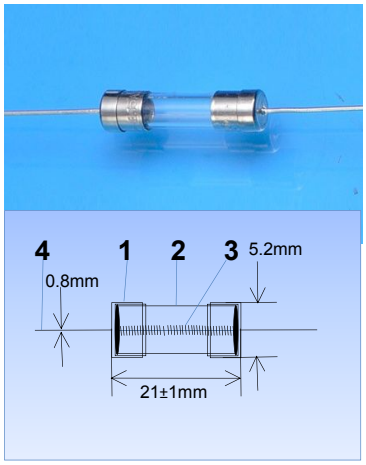

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500mA	125V	250V	●	●	●	●	●	●
630mA	125V	250V	●	●		●		●
800mA	125V	250V	●	●		●		●
1A	125V	250V	●	●	●	●	●	●
1.25A	125V	250V	●	●	●	●	●	●
1.5A	125V	250V	●	●	●			●
1.6A	125V	250V	●	●		●	●	●
2A	125V	250V	●	●	●	●	●	●
2.5A	125V	250V	●	●	●	●	●	●
3A	125V	250V	●	●	●		●	●
3.15A	125V	250V	●	●	●	●	●	●
3.5A	125V	250V	●	●	●	●		●
4A	125V	250V	●	●	●	●	●	●
5A	125V	250V	●	●	●	●	●	●
6A	125V	250V	●	●	●		●	●
6.3A	125V	250V	●	●	●	●	●	●
8A	125V	250V	●	●				●

电器性能 Electrical features

- UL:248-1， UL248-13

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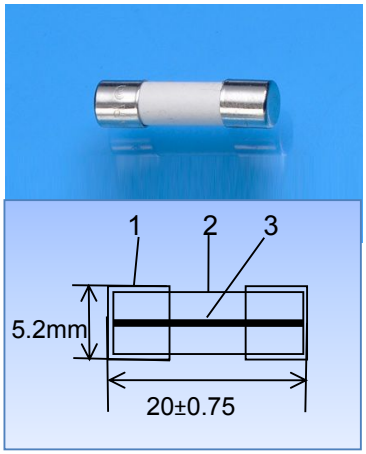
5.2x20mm

陶瓷管保险丝(快断型)

Ceramic Tube Fuse（Fast-Acting）



结构说明 Structure

结构体 STRUCTURE			材质MATERIAL	
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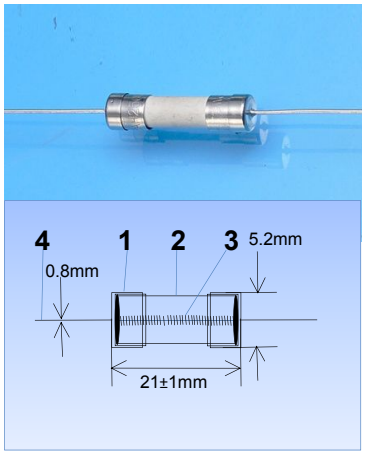

额定电流 RATE CURRENT	额定电压 RATED VOLTAGE			安规认证 Safe authentication					
				UL	CUL	PSE	VDE	CQC	ROHS
250mA	125V	250V		●	●		●		●
315mA	125V	250V		●	●		●		●
500mA	125V	250V	500V	●	●	●	●	●	●
630mA	125V	250V		●	●		●	●	●
800mA	125V	250V	500V	●	●		●	●	●
1A	125V	250V	500V	●	●	●	●	●	●
1.25A	125V	250V		●	●	●	●	●	●
1.5A	125V	250V		●	●	●	●		●
1.6A	125V	250V		●	●		●	●	●
2A	125V	250V	500V	●	●	●	●	●	●
2.5A	125V	250V		●	●	●	●		●
3.15A	125V	250V	500V	●	●	●	●	●	●
3.5A	125V	250V		●	●	●	●		●
4A	125V	250V	500V	●	●	●	●	●	●
5A	125V	250V	500V	●	●	●	●	●	●
6.3A	125V	250V	500V	●	●	●	●	●	●
8A	125V	250V	500V	●	●	●	●	●	●
10A	125V	250V	500V	●	●	●	●	●	●

电器性能 Electrical features

UL:248-1 ， UL248-13

Testing current 測試電流	Blow time limit 熔斷時間	
	Min 最小	Max 最大
100%	4 hour (小时)	
135%		1 hour （小时）
200%		60sec(秒）
1000%		20ms（毫秒）

IEC：60127-2 ， GB:9364.3-1997

Testing current 測試電流	Blow time limit 熔斷時間	
	Min 最小	Max 最大
100%	4 hour (小时)	
150%	1 hour （小时）	
210%		30min(分钟）
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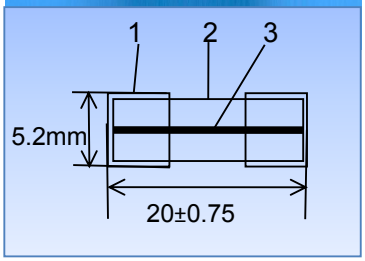
5.2x20mm

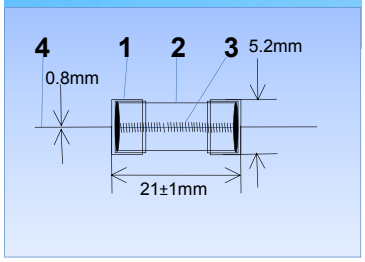
陶瓷管保险丝(延时型)

Ceramic Tube Fuse（Time-Delay）

结构说明 Structure



结构体 STRUCTURE			材质MATERIAL	
1	金属帽	Ferrule	铜材镀镍	Electroless Nickle-cooper
2	管体	Tube	陶瓷管	Ceramic Tube
3	熔丝	Wire	合金	Metal
4	焊接脚	Solder pin	镀锡铜线	Tinned wire



额定电流 RATE CURRENT	额定电压 RATED VOLTAGE			安规认证 Safe authentication					
				UL	CUL	PSE	VDE	CQC	ROHS
250mA	125V	250V		●	●		●		●
315mA	125V	250V		●	●		●		●
500mA	125V	250V	500V	●	●	●	●	●	●
630mA	125V	250V		●	●		●	●	●
800mA	125V	250V	500V	●	●		●	●	●
1A	125V	250V	500V	●	●	●	●	●	●
1.25A	125V	250V		●	●	●	●	●	●
1.5A	125V	250V		●	●	●	●		●
1.6A	125V	250V		●	●		●	●	●
2A	125V	250V	500V	●	●	●	●	●	●
2.5A	125V	250V		●	●	●	●		●
3.15A	125V	250V	500V	●	●	●	●	●	●
3.5A	125V	250V		●	●	●	●		●
4A	125V	250V	500V	●	●	●	●	●	●
5A	125V	250V	500V	●	●	●	●	●	●
6.3A	125V	250V	500V	●	●	●	●	●	●
8A	125V	250V	500V	●	●	●	●	●	●
10A	125V	250V	500V	●	●	●	●	●	●

电器性能 Electrical features

UL:248-1 ， UL248-13		
Testing current 測試電流	Blow time limit 熔斷時間	
	Min 最小	Max 最大
100%	4 hour (小时)	
135%		1 hour （小时）
200%		60sec(秒）
1000%		20ms（毫秒）

IEC：60127-2 ， GB:9364.3-1997		
Testing current 測試電流	Blow time limit 熔斷時間	
	Min 最小	Max 最大
100%	4 hour (小时)	
150%	1 hour （小时）	
210%		2min(分钟）
1000%	20ms（毫秒）	200ms（毫秒）

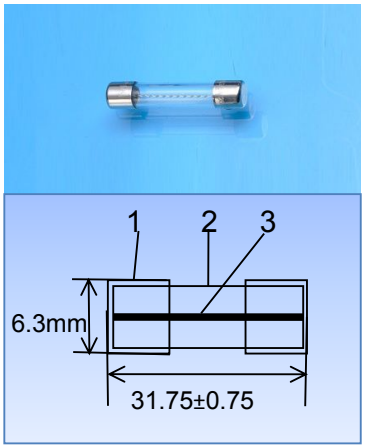
UL跟VDE同时在一个产品上面的时候特性依照IEC60127执行标准为准，符号为 标示。

6.35X31.75mm

玻璃管保险丝(快断型)

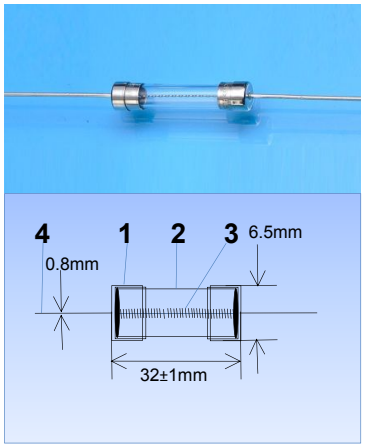
Glass Tube Fuse（Fast-Acting）

RoHS



结构说明 Structure

结构体 STRUCTURE			材质MATERIAL	
1	金属帽	Ferrule	铜材镀镍	Electroless Nickle-cooper
2	管体	Tube	玻璃管	Glass tube
3	熔丝	Wire	合金	Metal
4	焊接脚	Solder pin	镀锡铜线	Tinned wire



额定电流 RATE CURRENT	额定电压 RATED VOLTAGE			安规认证 Safe authentication			
				UL	CUL	PSE	ROHS
250mA		125V	250V	●	●		●
350mA		125V	250V	●	●		●
500mA		125V	250V	●	●	●	●
750mA		125V	250V	●	●		●
800mA		125V	250V	●	●		●
1A	32V	125V	250V	●	●	●	●
1.25A		125V	250V	●	●	●	●
1.6A		125V	250V	●	●	●	●
2A	32V	125V	250V	●	●		●
2.5A		125V	250V	●	●	●	●
3A	32V	125V	250V	●	●	●	●
5A	32V	125V	250V	●	●	●	●
6A	32V	125V	250V	●	●	●	●
7A	32V	125V	250V	●	●	●	●
8A	32V	125V	250V	●	●	●	●
10A	32V	125V	250V	●	●	●	●
12A	32V	125V	250V	●	●	●	●
15A	32V	125V	250V	●	●		●
20A	32V	125V	250V	●	●		●
25A	32V	125V	250V	●	●		●
30A	32V	125V	250V				●

电器性能 Electrical features

- UL:248-1，UL248-14

Testing current 測試電流	Blow time limit 熔斷時間	
	Min 最小	Max 最大
100%	4 hour (小时)	
200%		60sec(秒)

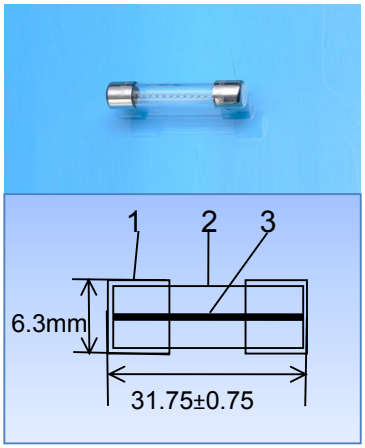
32V/DC，QC/T420-2004

6.35X31.75mm

玻璃管保险丝(延时型)

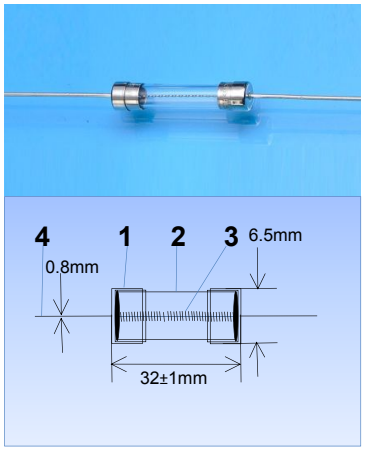
Glass Tube Fuse（Time-Delay）

RoHS



结构说明 Structure

结构体 STRUCTURE			材质MATERIAL	
1	金属帽	Ferrule	铜材镀镍	Electroless Nickle-cooper
2	管体	Tube	玻璃管	Glass Tube
3	熔丝	Wire	合金	Metal
4	焊接脚	Solder pin	镀锡铜线	Tinned wire



额定电流 RATE CURRENT	额定电压 RATED VOLTAGE		安规认证 Safe authentication			
			UL	CUL	PSE	ROHS
250mA	125V	250V	●	●		●
350mA	125V	250V	●	●		●
500mA	125V	250V	●	●	●	●
750mA	125V	250V	●	●		●
800mA	125V	250V	●	●		●
1A	125V	250V	●	●	●	●
1.25A	125V	250V	●	●	●	●
1.6A	125V	250V	●	●	●	●
2A	125V	250V	●	●		●
2.5A	125V	250V	●	●	●	●
3A	125V	250V	●	●	●	●
5A	125V	250V	●	●	●	●
6A	125V	250V	●	●	●	●
7A	125V	250V	●	●	●	●
8A	125V	250V	●	●	●	●
10A	125V	250V	●	●	●	●
12A	125V	250V	●	●	●	●
15A	125V	250V	●	●	●	●
20A	125V	250V	●	●		●
25A	125V	250V	●	●		●

电器性能 Electrical features

- UL:248-1 , UL248-14

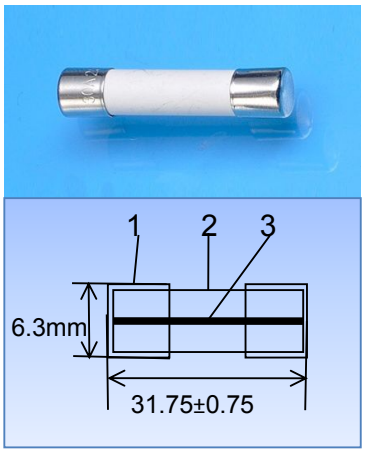
Testing current 測試電流	Blow time limit 熔斷時間	
	Min 最小	Max 最大
100%	4 hour (小时)	
200%		60sec(秒)
1000%	20ms（毫秒）	200ms（毫秒）

6.35X31.75mm

陶瓷管保险丝(快断型)

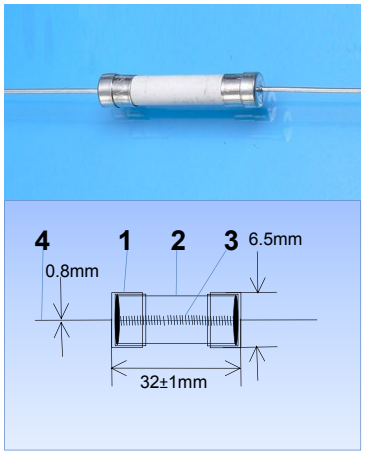
Ceramic Tube Fuse（Fast-Acting）

RoHS



结构说明 Structure

结构体 STRUCTURE			材质MATERIAL	
1	金属帽	Ferrule	铜材镀镍	Electroless Nickle-cooper
2	管体	Tube	陶瓷管	Ceramic Tube
3	熔丝	Wire	合金	Metal
4	焊接脚	Solder pin	镀锡铜线	Tinned wire



额定电流 RATE CURRENT	额定电压 RATED VOLTAGE			安规认证 Safe authentication			
				UL	CUL	PSE	ROHS
250mA	125V	250V		●	●		●
350mA	125V	250V		●	●		●
500mA	125V	250V	500V	●	●	●	●
750mA	125V	250V		●	●		●
800mA	125V	250V		●	●		●
1A	125V	250V	500V	●	●	●	●
1.25A	125V	250V		●	●	●	●
1.6A	125V	250V	500V	●	●	●	●
2A	125V	250V	500V	●	●		●
2.5A	125V	250V		●	●	●	●
3A	125V	250V	500V	●	●	●	●
5A	125V	250V	500V	●	●	●	●
6A	125V	250V		●	●	●	●
7A	125V	250V		●	●	●	●
8A	125V	250V	500V	●	●	●	●
10A	125V	250V	500V	●	●	●	●
12A	125V	250V	500V	●	●	●	●
15A	125V	250V	500V	●	●		●
20A	125V	250V		●	●		●
25A	125V	250V		●	●		●

电器性能 Electrical features

- UL:248-1 ， UL248-14

Testing current 測試電流	Blow time limit 熔斷時間	
	Min 最小	Max 最大
100%	4 hour (小时)	
200%		60sec(秒）

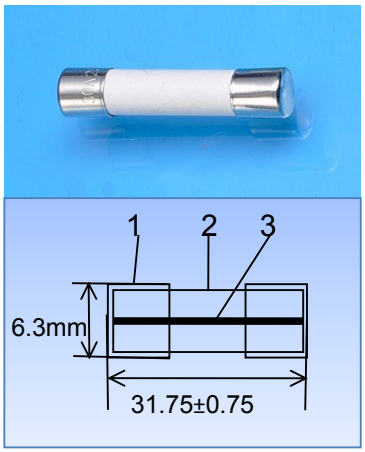
500V只有通过UL认证，分断能力AC500V 1000A

6.35X31.75mm

陶瓷管保险丝(延时型)

Ceramic Tube Fuse（ Time-Delay）

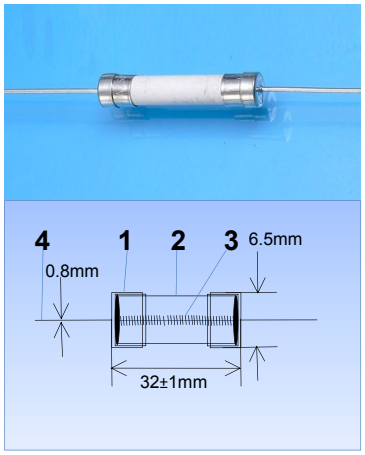
RoHS



结构说明 Structure

结构体 STRUCTURE			材质MATERIAL	
1	金属帽	Ferrule	铜材镀镍	Electroless Nickle-cooper
2	管体	Tube	陶瓷管	Ceramic Tube
3	熔丝	Wire	合金	Metal
4	焊接脚	Solder pin	镀锡铜线	Tinned wire

额定电流 RATE CURRENT	额定电压 RATED VOLTAGE		安规认证 Safe authentication			
			UL	CUL	PSE	ROHS
250mA	125V	250V	●	●		●
350mA	125V	250V	●	●		●
500mA	125V	250V	●	●	●	●
750mA	125V	250V	●	●		●
800mA	125V	250V	●	●		●
1A	125V	250V	●	●	●	●
1.25A	125V	250V	●	●	●	●
1.6A	125V	250V	●	●	●	●
2A	125V	250V	●	●		●
2.5A	125V	250V	●	●	●	●
3A	125V	250V	●	●	●	●
5A	125V	250V	●	●	●	●
6A	125V	250V	●	●	●	●
7A	125V	250V	●	●	●	●
8A	125V	250V	●	●	●	●
10A	125V	250V	●	●	●	●
12A	125V	250V	●	●	●	●
15A	125V	250V	●	●	●	●
20A	125V	250V	●	●		●
25A	125V	250V	●	●		●



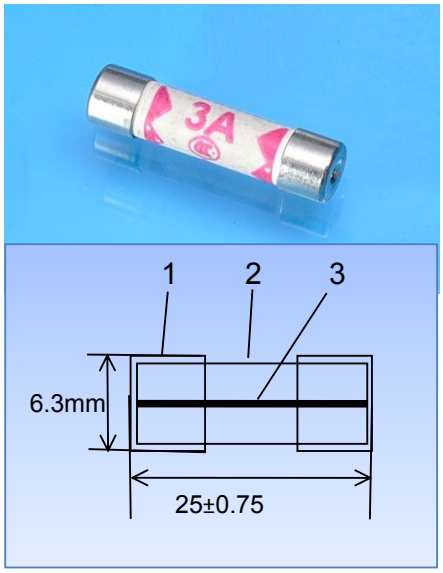
电器性能 Electrical features

- UL:248-1 ， UL248-14

Testing current 測試電流	Blow time limit 熔斷時間	
	Min 最小	Max 最大
100%	4 hour (小时)	
200%		60sec(秒）
1000%	20ms（毫秒）	200ms（毫秒）

6.35X25mm

BS1362英式插头保险丝
British Plug Fuse BS1362



结构说明 Structure

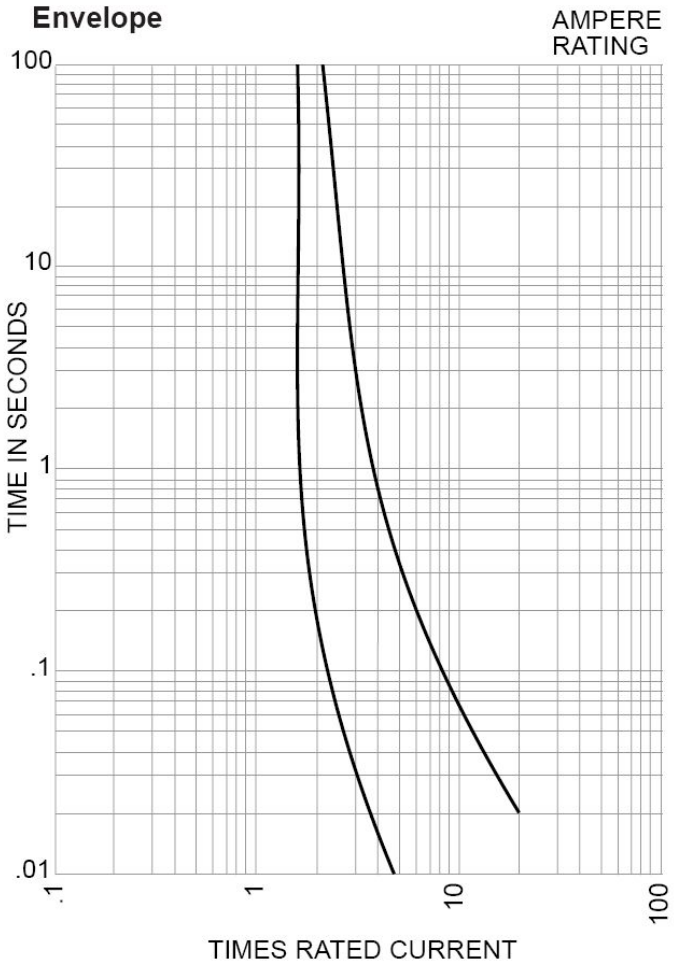
结构体 STRUCTURE			材质MATERIAL	
1	金属帽	Ferrule	铜材镀镍	Electroless Nickle-cooper
2	管体	Tube	陶瓷管	Ceramic Tube
3	熔丝	Wire	合金	Metal

额定电流 RATE URRENT	额定电压 RATED OLTAGE	安规认证 Safe authentication			
		ASTA	BSI	CCC	ROHS
2A	250V	●	●	●	●
3A	250V	●	●	●	●
5A	250V	●	●	●	●
7A	250V	●	●	●	●
10A	250V	●	●	●	●
13A	250V	●	●	●	●

Electrical features

- 执行标准Standard：BS1362:1973

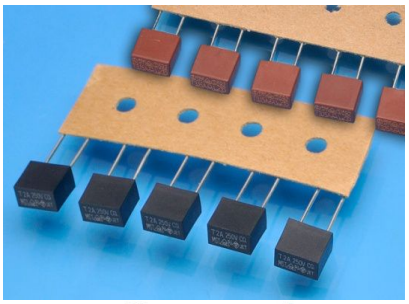
Testing current 測試電流	Blow time limit 熔斷時間	
	Min 最小	Max 最大
100%	1000hour (小时)	
160%		30min(分钟)
190%		30sec（秒）

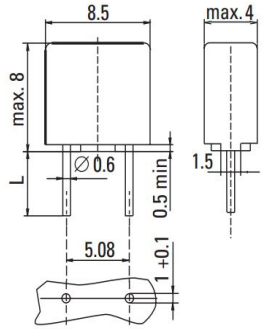


- 1/4” x 1” fast/medium British plug fuse.
- Weight: 2.25g ± 0.15g (2A to 13A inclusive)

Subminiature Fuses

方形 (延时型)保险丝
Square (Time-Delay) Fuse





Holes in the printed circuit board

Long Leads (L=18.8mm)
Short Leads (L=4.3mm)

Agency Approvals

VDE	50mA-6.3A
CSA	50mA-6.3A
UL	50mA-6.3A
KC	50mA-6.3A
SEMKO	50mA-6.3A
CCC	50mA-6.3A

Interrupting Rating

35 amperes or 10 × rated current ; whichever is greater at 250V AC.

电器性能 Electrical features

Rated	1.5In	2.1In	2.75In		400In		1000In	
current	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
50mA-5A	60 Min	2 Min	400 Ms	10 sec	150 ms	3 sec	20 ms	150 Ms
6.3A	60 Min	2 Min	400 Ms	10 sec	150 Ms	3 sec	15 ms	150 Ms

standard：IEC 60127-3

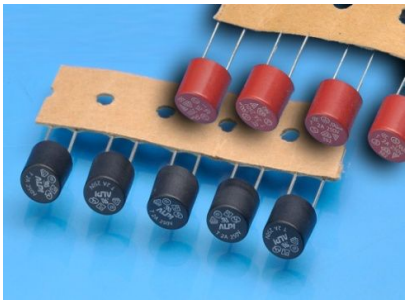
RATE CURRENT	RATED VOLTAGE	Nominal Resistance Cold Ohms	Voltage Drop (mv)MAX	Nominal MeltingI^2T A^2Sec
50mA	250V	6.8470	550	0.020000
63mA		4.6550	500	0.027700
80mA		2.8730	400	0.030000
100mA		2.1170	350	0.040000
125mA		1.2560	300	0.080000
160mA		0.8230	250	0.150000
200mA		0.5960	250	0.260000
250mA		0.4050	220	0.470000
315mA		0.2670	200	0.770000
400mA		0.2000	180	1.20000
500mA		0.1770	170	1.950000
630mA		0.1270	160	3.100000
800mA		0.1260	150	5.100000
1A		0.0650	140	7.800000
1.25A		0.0500	130	12.50000
1.6A		0.0370	120	20.00000
2A		0.0300	100	32.00000
2.5A		0.0220	100	49.00000
3.15A		0.0170	100	126.0000
4A		0.0120	100	198.5000
5A		0.0091	100	315.0000
6.3A		0.0071	100	

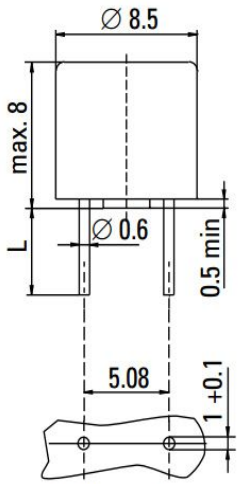
耐久测试 Endurance test

通过额定电流值100%(亦即 1.0 x In A)1.5小時后，保险丝的表面温度不应超过75度。
Loaded with the 100% nominal current (or 1.0 x, A) for 1.5 hours, fuse surface temperature should not exceed 75 celsius degrees.

Subminiature Fuses

圆柱形 (延时型)保险丝
Cylinder (Time-Delay) Fuse





Holes in PCB

Long Leads (L=18.8mm)
Short Leads (L=4.3mm)

Agency Approvals

VDE	50mA-6.3A
CSA	50mA-6.3A
UL	50mA-6.3A
KC	50mA-6.3A
SEMKO	50mA-6.3A
CCC	50mA-6.3A

Interrupting Rating

35 amperes or 10 × rated current ; whichever is greater at 250V AC.

电器性能 Electrical features

Rated	1.5In	2.1In	2.75In		400In		1000In	
current	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
50mA-5A	60 Min	2 Min	400 Ms	10 sec	150 ms	3 sec	20 ms	150 Ms
6.3A	60 Min	2 Min	400 Ms	10 sec	150 ms	3 sec	15 ms	150 Ms

执行标准：IEC 60127-3

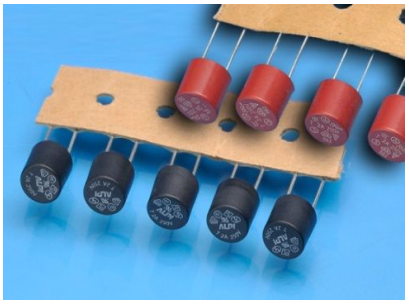
RATE CURRENT	RATED VOLTAGE	Nominal Resistance Cold Ohms	Voltage Drop (mv)MAX	Nominal MeltingI^2T A^2Sec
50mA	250V	6.8470	550	0.020000
63mA		4.6550	500	0.027700
80mA		2.8730	400	0.030000
100mA		2.1170	350	0.040000
125mA		1.2560	300	0.080000
160mA		0.8230	250	0.150000
200mA		0.5960	250	0.260000
250mA		0.4050	220	0.470000
315mA		0.2670	200	0.770000
400mA		0.2000	180	1.20000
500mA		0.1770	170	1.950000
630mA		0.1270	160	3.100000
800mA		0.1260	150	5.100000
1A		0.0650	140	7.800000
1.25A		0.0500	130	12.50000
1.6A		0.0370	120	20.00000
2A		0.0300	100	32.00000
2.5A		0.0220	100	49.00000
3.15A		0.0170	100	126.0000
4A		0.0120	100	198.5000
5A		0.0091	100	315.0000
6.3A		0.0071	100	

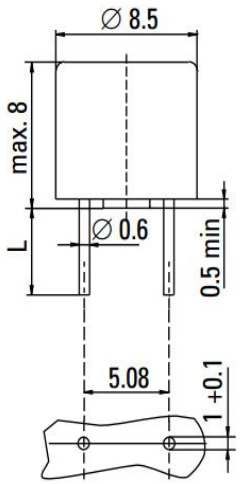
耐久测试 Endurance test

通过额定电流值100%(亦即 1.0 x In A)1.5小時后，保险丝的表面温度不应超过75度。
Loaded with the 100% nominal current (or 1.0 x, A) for 1.5 hours, fuse surface temperature should not exceed 75 celsius degrees.

Subminiature Fuses

圆柱形 (快断型)保险丝
Cylinder (Fast-Acting) Fuse





Holes in PCB

Long Leads (L=18.8mm)
Short Leads (L=4.3mm)

Agency Approvals

VDE	50mA-6.3A
CSA	50mA-6.3A
UL	50mA-6.3A
KC	50mA-6.3A
SEMKO	50mA-6.3A
CCC	50mA-6.3A

Interrupting Rating

35 amperes or 10 × rated current ; whichever is greater at 250V AC.

电器性能 Electrical features

Rated current	1.5In MIN	1.5In MAX	2.75In MIN	2.75In MAX	400In MIN	400In MAX	1000In MIN	1000In MAX
50mA-5A	60 Min	30 Min	10 Ms	3 Sec	3 Ms	3 Ms		20 Ms
6.3A	60 Min	30 Min	10 Ms	3 Sec	3 Ms	3 Ms		20 Ms

执行标准：IEC 60127-3

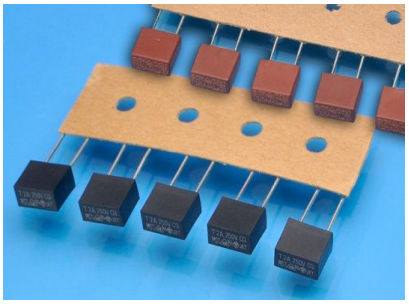
RATE CURRENT	RATED VOLTAGE	Nominal Resistance Cold Ohms	Voltage Drop (mv)MAX	Nominal Melting I^2T A^2Sec
50mA	250V	6.8470	550	0.020000
63mA		4.6550	500	0.027700
80mA		2.8730	400	0.030000
100mA		2.1170	350	0.040000
125mA		1.2560	300	0.080000
160mA		0.8230	250	0.150000
200mA		0.5960	250	0.260000
250mA		0.4050	220	0.470000
315mA		0.2670	200	0.770000
400mA		0.2000	180	1.20000
500mA		0.1770	170	1.950000
630mA		0.1270	160	3.100000
800mA		0.1260	150	5.100000
1A		0.0650	140	7.800000
1.25A		0.0500	130	12.50000
1.6A		0.0370	120	20.00000
2A		0.0300	100	32.00000
2.5A		0.0220	100	49.00000
3.15A		0.0170	100	126.0000
4A		0.0120	100	198.5000
5A		0.0091	100	315.0000
6.3A		0.0071	100	

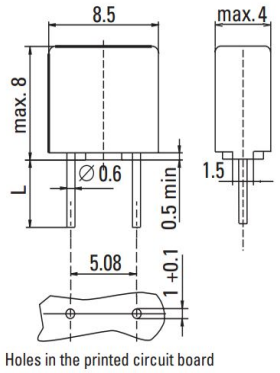
耐久测试 Endurance test

通过额定电流值100%(亦即 1.0 x In A)1.5小時后，保险丝的表面温度不应超过75度。
Loaded with the 100% nominal current (or 1.0 x, A) for 1.5 hours, fuse surface temperature should not exceed 75 celsius degrees.

Subminiature Fuses

方形 (快断型)保险丝
Square (Fast-Acting) Fuse





Holes in the printed circuit board

Long Leads (L=18.8mm)
Short Leads (L=4.3mm)

Agency Approvals

VDE	50mA-6.3A
CSA	50mA-6.3A
UL	50mA-6.3A
KC	50mA-6.3A
SEMKO	50mA-6.3A
CCC	50mA-6.3A

Interrupting Rating

35 amperes or 10 × rated current ; whichever is greater at 250V AC.

电器性能 Electrical features

Rated	1.5In	2.1In	2.75In		400In		1000In	
current	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
50mA-5A	60 Min	30 Min	10 Ms	3 Sec	3 Ms	300 Ms		20 Ms
6.3A	60 Min	30 Min	10 Ms	3 Sec	3 Ms	300 Ms		20 Ms

执行标准：IEC 60127-3

RATE CURRENT	RATED VOLTAGE	Nominal Resistance Cold Ohms	Voltage Drop (mv)MAX	Nominal MeltingI^2T A^2Sec
50mA	250V	6.8470	550	0.020000
63mA		4.6550	500	0.027700
80mA		2.8730	400	0.030000
100mA		2.1170	350	0.040000
125mA		1.2560	300	0.080000
160mA		0.8230	250	0.150000
200mA		0.5960	250	0.260000
250mA		0.4050	220	0.470000
315mA		0.2670	200	0.770000
400mA		0.2000	180	1.20000
500mA		0.1770	170	1.950000
630mA		0.1270	160	3.100000
800mA		0.1260	150	5.100000
1A		0.0650	140	7.800000
1.25A		0.0500	130	12.50000
1.6A		0.0370	120	20.00000
2A		0.0300	100	32.00000
2.5A		0.0220	100	49.00000
3.15A		0.0170	100	126.0000
4A		0.0120	100	198.5000
5A		0.0091	100	315.0000
6.3A		0.0071	100	

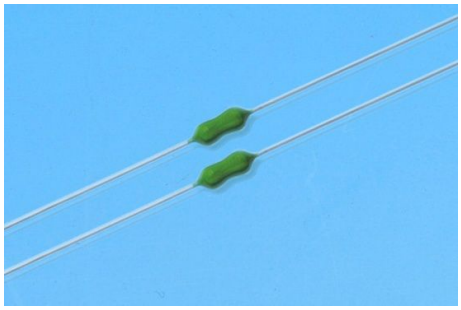
耐久测试 Endurance test

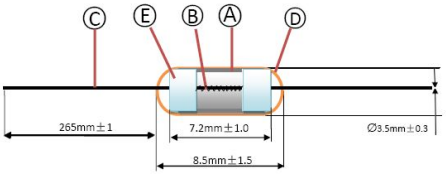
通过额定电流值100%(亦即 1.0 x In A)1.5小時后，保险丝的表面温度不应超过75度。
Loaded with the 100% nominal current (or 1.0 x, A) for 1.5 hours, fuse surface temperature should not exceed 75 celsius degrees.

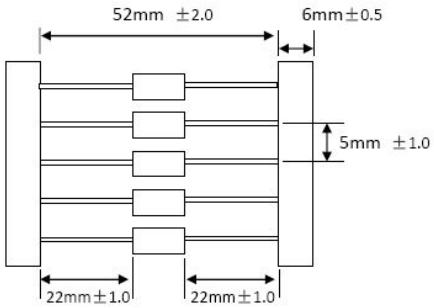
3x8mm

电阻式保险丝(快断型)
Pico Fuse（Fast-Acting）

RoHS







结构说明 Structure

结构体 STRUCTURE			材质MATERIAL	
A	管体	Tube	玻璃管	Glass tube
B	熔丝	Wire	合金	Metal
C	焊接脚	Solder pin	镀锡铜线	Tinned wire
D	本体封装	Surface	环氧树脂	Epoxy-Coated Body
E	金属帽	Ferrule	铜材镀镍	Electroless Nickle-ooper

电器性能 Electrical features

Testing current 測試電流	Blow time limit 熔斷時間	
	Min 最小	Max 最大
100%	4 hour (小时)	
200%		60sec(秒）

执行标准：UL248-1 ， UL248-14

额定电流 RATE CURRENT	额定电压 RATED VOLTAGE		安规认证 Safe authentication			
			UL	CUL	PSE	ROHS
250mA	250V	350V	●	●		●
315mA	250V	350V	●	●		●
500mA	250V	350V	●	●	●	●
630mA	250V	350V	●	●		●
800mA	250V	350V	●	●		●
1A	250V	350V	●	●	●	●
1.25A	250V	350V	●	●	●	●
1.5A	250V	350V	●	●	●	●
1.6A	250V	350V	●	●		●
2A	250V	350V	●	●	●	●
2.5A	250V	350V	●	●	●	●
3A	250V	350V	●	●	●	●
3.15A	250V	350V	●	●	●	●
3.5A	250V	350V	●	●	●	●
4A	250V	350V	●	●	●	●
5A	250V	350V	●	●	●	●
6A	250V	350V	●	●	●	●
6.3A	250V	350V	●	●	●	●
8A	250V	350V	●	●		●

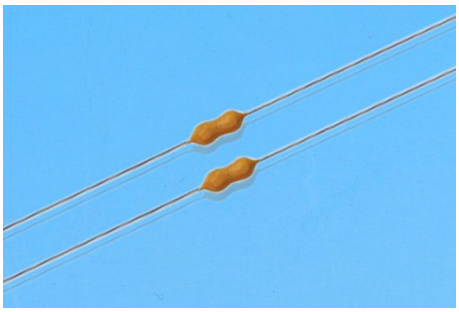
耐久测试 Endurance test

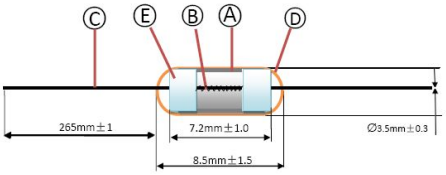
通过额定电流值100%(亦即 1.0 x In A)1.5小時后，保险丝的表面温度不应超过75度。
Loaded with the 100% nominal current (or 1.0 x, A) for 1.5 hours, fuse surface temperature should not exceed 75 celsius degrees.

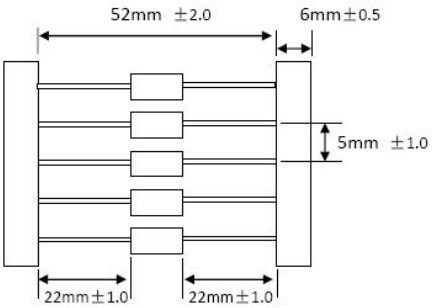
3x8mm

电阻式保险丝(延时型)
Pico Fuse（Time-Delay ）

RoHS







结构说明 Structure

结构体 STRUCTURE			材质MATERIAL	
A	管体	Tube	玻璃管	Glass tube
B	熔丝	Wire	合金	Metal
C	焊接脚	Solder pin	镀锡铜线	Tinned wire
D	本体封装	Surface	环氧树脂	Epoxy-Coated Body
E	金属帽	Ferrule	铜材镀镍	Electroless Nickle-ooper

电器性能 Electrical features

Testing current 測試電流	Blow time limit 熔斷時間	
	Min 最小	Max 最大
100%	4 hour (小时)	
200%		60sec(秒）
1000%	10ms(毫秒）	200MS(毫秒)

额定电流 RATE CURRENT	额定电压 RATED VOLTAGE		安规认证 Safe authentication			
			UL	CUL	PSE	ROHS
250mA	250V	350V	●	●		●
315mA	250V	350V	●	●		●
500mA	250V	350V	●	●	●	●
630mA	250V	350V	●	●		●
800mA	250V	350V	●	●		●
1A	250V	350V	●	●	●	●
1.25A	250V	350V	●	●	●	●
1.5A	250V	350V	●	●	●	●
1.6A	250V	350V	●	●		●
2A	250V	350V	●	●	●	●
2.5A	250V	350V	●	●	●	●
3A	250V	350V	●	●	●	●
3.15A	250V	350V	●	●	●	●
3.5A	250V	350V	●	●	●	●
4A	250V	350V	●	●	●	●
5A	250V	350V	●	●	●	●
6A	250V	350V	●	●	●	●
6.3A	250V	350V	●	●	●	●
8A	250V	350V	●	●		●

耐久测试 Endurance test

通过额定电流值100%(亦即 1.0 x In A)1.5小時后，保险丝的表面温度不应超过75度。
Loaded with the 100% nominal current (or 1.0 x, A) for 1.5 hours, fuse surface temperature should not exceed 75 celsius degrees.

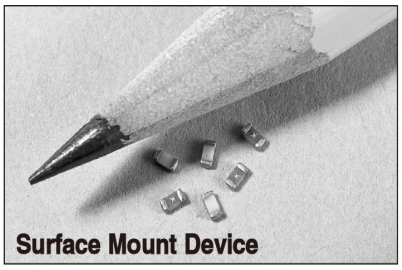
Chip™ Fuses

0603FA Series, Fast-Acting

Description

- Fast-acting 0603 surface mount fuse
- Excellent temperature and cycling characteristics
- Compatible with lead free solders and higher temperature profiles

Electrical Characteristics	
% of Amp Rating	**Opening Time**
100%	4 Hours Minimum
200%	60 Seconds Maximum



Agency Information

- UL Recognition Guide & File numbers: JDYX2 &E19180
- CSA Component Acceptance: 053787 C 000 & Class Number: 1422 30

Environmental Data

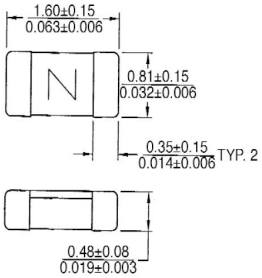
- Operating temparture: -55ºC to 125ºC with proper derating
- Load humidity test: MIL-STD-202, Method 103B
- Moisture resistance test: MIL-STD-202, Method 106E
- Thermal shock test: MIL-STD-202, Method 107D
- High frequency vibration test: MIL-STD-202, Method 204D

Ordering

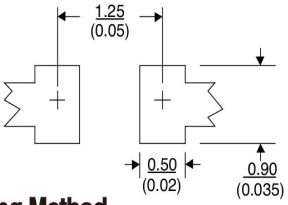
- Specify packaging and product code (i.e., TR/0603FA250-R)

Dimensions – mm/inches

Drawing Not to Scale



Recommended Pad Layout – mm/inches



Soldering Method

- Wave solder: 260°C, 10 sec max.
- Solder reflow: 260°C, 30 sec max.

Specifications

Part Number	Current Rating (amps)	Voltage Rating	Interrupting Rating (amps) at Rated Voltage*	DC Cold Resistance** (Ω) Typical	Typical Melting I²t***	Typical Voltage Drop†	Alpha Code Marking‡
0603FA250-R	250mA	50Vdc	50	3.100	0.0004	0.921	D
0603FA375-R	375mA	50Vdc	50	1.250	0.0009	0.605	E
0603FA500-R	500mA	32Vac/50dc	50ac/35dc	1.025	0.00193	0.600	F
0603FA750-R	750mA	32Vac/dc	50	0.450	0.0090	0.440	G
0603FA1-R	1	32Vac/dc	50	0.150	0.0025	0.211	H
0603FA1.25-R	1.25	32Vac/dc	35	0.108	0.0130	0.151	J
0603FA1.5-R	1.5	32Vac/dc	35	0.086	0.0319	0.138	K
0603FA2-R	2	32Vac/dc	35	0.051	0.0491	0.116	N
0603FA2.5-R	2.5	32Vac/dc	35	0.037	0.0625	0.113	O
0603FA3-R	3	32Vac/dc	35	0.028	0.0699	0.110	P
0603FA3.5-R	3.5	32Vac/dc	35	0.022	0.1200	0.103	R
0603FA4-R	4	32Vac/dc	35	0.017	0.2430	0.097	S
0603FA5-R	5	32Vac/dc	35	0.011	0.6950	0.090	T

* DC Interrupting rating (Measured at designated voltage, time constant of less than 50 microseconds, battery source)

** DC Cold resistance (Measured at ≤10% of rated current)

***Typical melting I^2t (Measured with a battery bank at rated DC voltage, 10x-rated current, not to exceed IR, time constant of calibrated circuit less than 50 microseconds) (0603FA4A and 5A measured at interrupting rating)

† Typical voltage drop (Measured at rated current after temperature stabilizes)

‡ Alpha code to be marked on the top of fuse body for all ratings

Chip Fuses
CC06H Series High I²t 0603 Size Fuse

Surface Mount Device

Electrical Characteristics		
Amp Rating	% of Amp Rating	Opening Time
1-5A	100	4 Hours
1-5A	200	1-60 Seconds
1-5A	250	5 Seconds Maximum

Description

The Chip™ CC06H Series high I²t fuse is a very small surface mount fuse (0603 size) designed to protect low voltage circuits from the harmful effects of short-circuits. The technology of this series combines the robust Cooper Bussmann® solid matrix fuse construction with advanced fuse element design to deliver state-of-the-art overcurrent protection on circuits subject to inrush currents.

Features

- Halogen free
- High inrush withstand capability
- Fast-acting performance
- RoHS compliant
- Lead free
- Ampacity alpha mark on fuse for easy identification
- Standard termination design for easy solderability
- Compatible with standard lead-free solder reflow and wave soldering processes
- Excellent environmental integrity

Applications

For secondary protection in space constrained applications such as:

- LCD backlight inverters
- Digital cameras
- DVD players
- Bluetooth headsets
- Battery packs

Agency Information

- c UL us Recognized Card: (1A-5A) Guide JDXY2, File E19180

Part Numbering System: CC06H 1A -TR

Fuse Series
Amp Rating
Packaging Code Suffix

Packaging

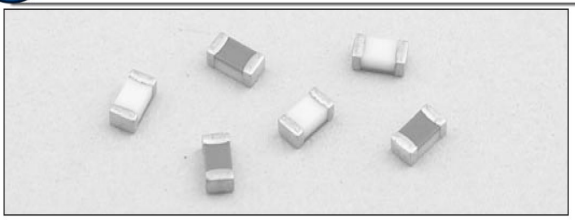
- TR - Packaging code suffix for tape-and-reel (8mm wide tape on 178mm diameter reel - specification EIA 481-1)
- Quantity = 5000 fuses

Specifications

Catalog Number	Amp Rating[5]	Alpha Marking	Voltage Rating Vdc	Interrupting Rating (amps)[1,4]	Typical Resistance (Ω)[2]	Typical Melt I²t[3]	Typical Voltage Drop (V)	Typical Power Loss (W)	Agency Approvals cRUus
CC06H1A	1	B	32	50	0.225	0.02	0.295	0.30	x
CC06H1.5A	1.5	H	32	50	0.122	0.07	0.220	0.33	x
CC06H2A	2	K	32	50	0.061	0.20	0.160	0.32	x
CC06H2.5A	2.5	L	32	50	0.045	0.25	0.145	0.36	x
CC06H3A	3	O	32	50	0.027	0.30	0.110	0.33	x
CC06H3.5A	3.5	R	32	50	0.021	0.60	0.100	0.35	x
CC06H4A	4	S	32	50	0.018	1	0.100	0.40	x
CC06H5A	5	T	32	50	0.013	2	0.088	0.44	x

1. DC Interrupting Rating (measured at rated voltage, time constant of less than 50 microseconds, battery source).
2. DC Cold Resistance are measured at <10% of rated current in ambient temperature of 20ºC - FOR REFERENCE ONLY - CONTROLLED VALUES HELD BY PLANT AND SUBJECT TO CHANGE WITHOUT NOTICE.
3. Typical Pre-arching I²t are measured at $10I_n$ current.
4. The insulation resistance after breaking capacity test is higher than 0.1MΩ when measured by 2X rated voltage.
5. Device designed to carry rated current for 4 hours minimum. An operating current 80% or less of rated current is recommended, with further design derating required at elevated ambient temperature. See Temperature Derating Curve on next page.

Chip™ Fuses
3216FF Series, Fast-Acting （1206）



Description
- Fast-acting surface mount fuse
- Ratings up to 30 amps
- Excellent temperature and cycling characteristics
- Compatible with reflow and wave solder

Agency Information
- UL Recognition Guide JDYX2 & File E19180.
- CSA Component Acceptance: 053787 C 000 & Class No: 1422 30.
- c UL us Recognition File: E19180, Guide JDYX2/JDYX8

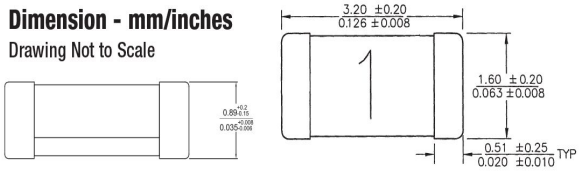
Environmental Data
- Thermal Shock: MIL-STD-202, Method 107, Test Condition B (-65°C to 125°C)
- Vibration: MIL-STD-202, Method 204, Test Condition C (55Hz - 2kHz, 10G)
- Moisture Resistance: MIL-STD-202, Method 106, 10 day cycle
- Solderability: ANSI/J-STD-002, Test B
- Additional resistance to solder heat teast: MIL-STD-202G Method 210F Condition A
- Operating Temperature: -55ºC to 125ºC

Ordering
- Specify packaging and product code (i.e., TR/3216FF250-R)

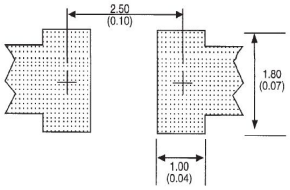
Soldering Method
- Wave Immersion: 260°C, 10 sec max.
- Infrared Reflow: 260°C, 30 sec max.

Electrical Characteristics		
Amp Rating	**% of Amp Rating**	**Opening Time**
250mA - 30A	100%	4 Hrs. Min.
1.25A - 3A	200%	60 Sec. Max.
250mA - 3A	250%	5 Sec. Max.
4A - 7A	350%	1 Sec. Max.
10A - 30A	350%	5 Sec. Max.

Dimension - mm/inches
Drawing Not to Scale



Recommended Pad Layout - mm (in)



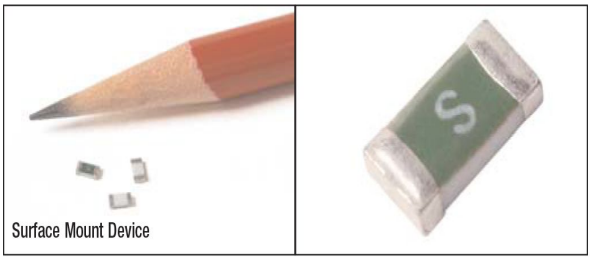
Specifications

Part Number	Volt Ratings Vac	Volt Ratings Vdc	Interrupting Rating* (amps) AC/DC	Typical DC Cold Resistance (Ω)**	Typical Melt I²t (A²S) DC***	Typical Voltage Drop (V)†	Agency Approvals UR	Agency Approvals CSA	Agency Approvals cURus
3216FF250-R	32	63	50	3.5000	0.00038	1.40	X	X	
3216FF375-R	32	63	50	1.7500	0.00077	0.73	X	X	
3216FF500-R	32	63	50	0.9800	0.00190	0.66	X	X	
3216FF750-R	32	63	50	0.5400	0.0053	0.63	X	X	
3216FF1-R	32	63	50	0.2190	0.030	0.20	X	X	
3216FF1.25-R	32	63	50	0.1700	0.046	0.18	X	X	
3216FF1.5-R	32	63	50	0.1190	0.093	0.18	X	X	
3216FF2-R	32	63	50	0.0660	0.126	0.16	X	X	
3216FF2.5-R	32	63	50	0.0460	0.260	0.14	X	X	
3216FF3-R	32	63	50	0.0360	0.275	0.13	X	X	
3216FF4-R	32	32	50	0.0180	0.337	0.11	X	X	
3216FF4.5-R	32	32	50	0.0160	0.405	0.10	X	X	
3216FF5-R	32	32	50	0.0140	0.534	0.09	X	X	
3216FF6.5-R	32	32	50	0.0086	2.294	0.076	X	X	
3216FF7-R	32	32	50	0.0070	3.623	0.078	X	X	
3216FF10-R		24	150	0.0045	2.0	0.062	X		X
3216FF12-R		24	150	0.0039	7.0	0.070	X		X
3216FF15-R		24	150	0.0031	25.5	0.066	X		X
3216FF20-R		24	150	0.0018	48.6	0.060	X		X
3216FF25-R		24	250	0.0014	32.0	0.057	X		X
3216FF30-R		24	300	0.001	43.0	0.068	X		X

* AC Interrupting Rating measured at rated voltage with a unity power factor; DC Interrupting Rating measured at rated voltage, time constant of less than 50 microseconds, battery source
**Typical DC Cold Resistance measured at 10% of rated current
***Typical Melting I^2t measured with a battery bank at rated DC voltage, 10x-rated current, not to exceed IR, time constant of calibrated circuit less than 50 microseconds (6.5A - 30A measured at interrupting rating)
†Typical Voltage Drop measured at rated current after temperature stabilizes. It is recommended that fuses be mounted with ceramic (white) side facing up.
Device designed to carry rated current for four hours minimum. An operating current of 80% or less of rated current is recommended, with further derating required at elevated ambient temperatures.

High I²t Chip™ Fuses

CC12H Series （1206）



Description

- High I²t 1206 footprint surface mount fuse
- High inrush withstand capability
- Excellent temperature and cycling characteristics
- RoHS compliant, and lead free and halogen free construction
- Compatible with solder reflow and wave solder

Electrical Characteristics		
Amp Rating	% of Amp Rating	Opening Time
1-5A	100%	4 Hours Minimum
1-3A	200%	1-60 Seconds
1-5A	250%	5 Seconds Maximum
1-5A	300%	0.1-3 Seconds
1-5A	1000%	0.2-20mS

Agency Information

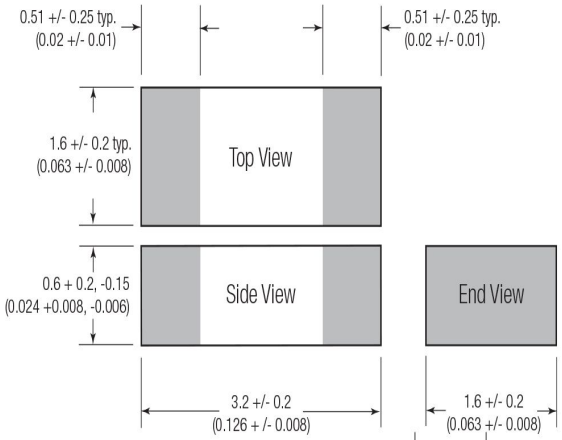
- c UL us Recognition File number: E19180 (1- 5A)

Environmental Data

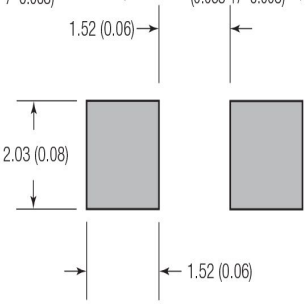
- Thermal Shock: MIL-STD-202, Method 107, Test Condition B
- Vibration: MIL-STD-202, Method 204, Test Condition C
- Moisture Resistance: MIL-STD-202, Method 106, 50 day cycle
- Solderability: ANSI/J-STD-002, Test B
- Normal ambient temperature: 23°C
- Operating temperature range -40°C to 125°C

Dimensions - mm (in)

Drawing Not to Scale



Pad Layout - mm (in)



Soldering Method

- Wave Solder Immersion: 260°C, 10 seconds maximum.
- Solder Reflow: 260°C, 30 seconds maximum.

Packaging and Ordering

- 3000 fuses on 8mm tape-and-reel on a 7 inch (178mm) reel per EIA Standard 481. Specify Catalog Symbol and package code suffix "-TR" (e.g., CC12H1A-TR)

Specifications

Catalog Symbol	Current Rating (Amps)	Amp Rating Mark	Voltage Rating (Vdc)	Interrupting Rating* (Amps)	Resistance (Ω)** Typical	Typical Melt (I²t)† DC	Typical Voltage Drop (mV)‡
CC12H1A	1	H	63	50	0.35	0.18	490
CC12H1.5A	1.5	K	63	50	0.178	0.4	355
CC12H2A	2	N	63	50	0.10	1.1	305
CC12H2.5A	2.5	O	63	50	0.07	1.7	240
CC12H3A	3	P	63	50	0.045	2.2	185
CC12H3.5A	3.5	R	63	50	0.034	2.7	180
CC12H4A	4	S	63	50	0.03	3.2	169
CC12H4.5A	4.5	X	32	100	0.025	4.2	160
CC12H5A	5	T	32	100	0.021	6.0	140

* DC Interrupting Rating (Measured at rated voltage, time constant of less than 50 microseconds, battery source)

** DC Cold Resistance (Measured at 10% of rated current)

† Typical Melting I²t (Measured with a battery bank at rated DC voltage, 10x-rated current, not to exceed IR, time constant of calibrated circuit less than 50 microseconds)

‡ Typical Voltage Drop (Measured at rated current after temperature stabilizes)

Device designed to carry rated current for four hours minimum. An operating current of 80% or less of rated current is recommended, with further derating required at elevated ambient temperatures.

Fast-Acting Subminiature Fuses

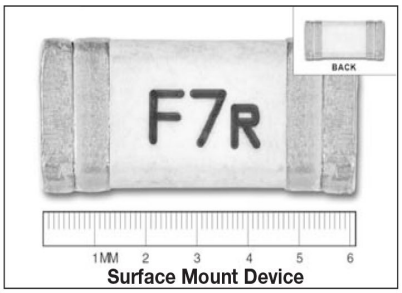
6125FF Series

RoHS

Description

- Fast-acting surface mount fuse
- Overcurrent protection of systems up to 125Vac/72Vdc
- High inrush withstand capability
- Solder immersion compatible

Electrical Characteristics	
% of Amp Rating	Opening Time
100%	4 Hours Minimum
200%	5 Second Maximum



Surface Mount Device

Agency Information

- c UL us Recognition File: E19180

Environmental Data

- Operating temperature: -55°C to 125°C
- Mechanical shock: MIL-STD-202, Method 213
- High frequency vibration: MIL-STD-202, Method 204
- Load humidity: MIL-STD-202, Method 103
- Moisture resistance: MIL-STD-202, Method 106
- Resistance to solvents: MIL-STD-202, Method 215
- Thermal shock: MIL-STD-202, Method 107

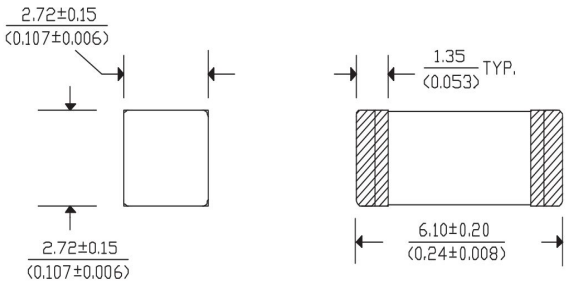
Ordering

- Specify packaging and product code (i.e., TR2/6125FF500-R)

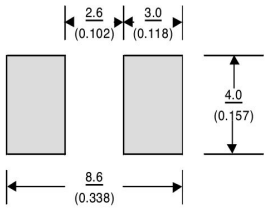
Soldering Method

- Wave immersion: 260°C, 10 Sec. max.
- Solder reflow: 260°C, 30 Sec. max.

Dimensions - mm (in)



Recommended Pad Layout - mm (in)



Specifications

Part Number	Current Rating (amps)	Voltage Rating		Interrupting Rating (amps)			DC Cold Resistance (mΩ) Typ.	Melting I²t (A² sec)	Typical Voltage Drop (mV)
		Vac	Vdc	125Vac	72Vdc	32Vdc			
6125FF500-R	500mA	125	72	50	50	300	750	0.08	605
6125FF750-R	750mA	125	72	50	50	300	350	0.152	433
6125FF1-R	1	125	72	50	50	300	260	0.22	415
6125FF1.25-R	1.25	125	72	50	50	300	171	0.355	410
6125FF1.5-R	1.5	125	72	50	50	300	112	0.456	365
6125FF2-R	2	125	72	50	50	300	49	1.67	160
6125FF2.5-R	2.5	125	72	50	50	300	45	5.20	155
6125FF3-R	3	125	72	50	50	300	35	6.24	153
6125FF3.5-R	3.5	125	72	50	50	300	27	7.28	150
6125FF4-R	4	125	72	50	50	300	26	7.4	145
6125FF5-R	5	125	72	50	50	300	17	9.5	141
6125FF6.3-R	6.3	125	72	50	50	300	14	15.1	135
6125FF7-R	7	125	72	50	50	300	11	37.25	112
6125FF8-R	8	125	72	50	50	300	8.7	70	110
6125FF10-R	10	125	72	50	50	300	7.3	67.75	110
6125FF12-R	12	125	72	50	50	300	5.3	210.59	106
6125FF15-R	15	125	72	50	50	300	4.2	296.10	104

* AC Interrupting Rating (Measured at designated voltage, 100% power factor); DC Interrupting Rating (Measured at designated voltage, time constant of less than 50 microseconds, battery source)

** Typical Melting I²t (Measured at 72Vdc, 10X rated current (not exceed 50A - IR @ 72Vdc)

Brick™ Fuses
6125TD Series, Time Delay

RoHS

Description

- Time Delay surface mount fuse
- Complies with EIA-IS-722 Standard
- Solder Immersion Compatible

ELECTRICAL CHARACTERISTICS	
% of Amp Rating	Opening Time
100%	4 Hours Minimum
200%	1 Second Minimum
200%	2-4 Seconds Typical
200%	60 Seconds Maximum

Agency Information

- UL Recognition Guide & File numbers: JDYX2 & E19180.
- CSA Component Acceptance: 053787 C 000 & Class No: 1422 30.

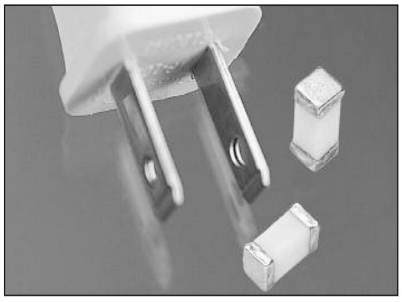
Environmental Data

- Life Test: MIL-STD-202, Method 108A, Test Condition D
- Load Humidity: MIL-STD-202, Method 103B
- Moisture Resistance: MIL-STD-202, Method 106E
- Thermal Shock: MIL-STD-202, Method 107D, air-to-air
- Case Resistance: EIA/IS-722
- Resistance to Dissolution of Metallization: ANSI J-STD-002, Test D
- Mechanical Shock: MIL-STD-202, Method 213B, Test Condition A
- High Frequency Vibration: MIL-STD-202, Method 204D, Test Condition D
- Resistance to Solvents: MIL-STD-202, Method 215A

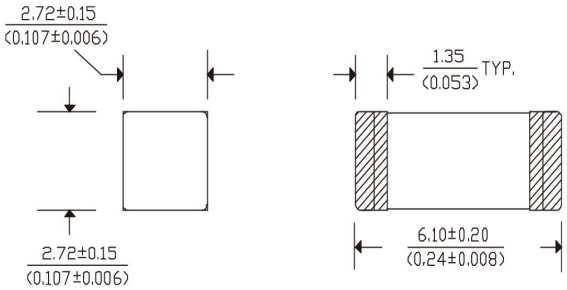
Ordering

- Specify packaging and product code (i.e., TR1/6125TD500-R)

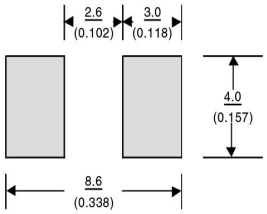
RoHS 2002/95/EC



Dimensions mm/(inches)



Land Pattern



Soldering Method

- Wave Immersion: 260°C, 10 sec max.
- Infrared: 260°C, 30 sec max.

SPECIFICATIONS								
Product Code	Current Rating	Voltage Rating		Interrupting Rating*		Resistance (ohms)**	Typical Melting I^2t†	Typical Voltage Drop‡
		AC	DC	125VAC	60VDC	Typ.		
6125TD500-R	500mA	125V	60V	50A	50A	0.4025	0.716	245 mV
6125TD750-R	750mA	125V	60V	50A	50A	0.2350	1.07	250 mV
6125TD1-R	1A	125V	60V	50A	50A	0.1680	2.88	256 mV
6125TD1.5-R	1.5A	125V	60V	50A	50A	0.0630	2.35	125 mV
6125TD2-R	2A	125V	60V	50A	50A	0.0480	9.45	133 mV
6125TD2.5-R	2.5A	125V	60V	50A	50A	0.0350	16.2	130 mV
6125TD3-R	3A	125V	60V	50A	50A	0.0263	15.3	97 mV
6125TD3.5-R	3.5A	125V	60V	50A	50A	0.0195	14.5	95 mV
6125TD4-R	4A	125V	60V	50A	50A	0.0185	38.8	106 mV
6125TD5-R	5A	125V	60V	50A	50A	0.0133	34.4	100 mV
6125TD7-R	7A	125V	60V	50A	50A	0.0087	90.2	99 mV

* AC Interrupting Rating (Measured at designated voltage, 100% power factor); DC Interrupting Rating (Measured at designated voltage, time constant of less than 50 microseconds, battery source)

** DC Cold Resistance (Measured at 10% of rated current)

† Typical Melting I^2t (Measured with a battery bank at rated DC voltage, 10x-rated current (not to exceed IR), time constant of calibrated circuit less than 50 microseconds)

‡ Typical Voltage Drop (Measured at rated current after temperature stabilizes)

Device designed to carry rated current for four hours minimum. An operating current of 80% or less of rated current is recommended, with further derating required at elevated ambient temperatures.

Brick™ Fuses
1025FA Series, Fast-Acting

RoHS

Description

- Fast-acting surface-mount fuse
- Satisfies the EIA/IS-722 Standard
- Solder immersion compatible

Electrical Characteristics	
% of Amp Rating	Opening Time
100%	4 Hours Minimum
200% (250mA-5A)	5 Seconds Maximum
250% (250mA-5A fuse)	1 Second Maximum
200% (7-15A fuse)	20 Seconds Maximum
250% (7-15A fuse)	4 Seconds Maximum

Note: 30vde constant current source required for 200% overload tests on 250mA-1A.

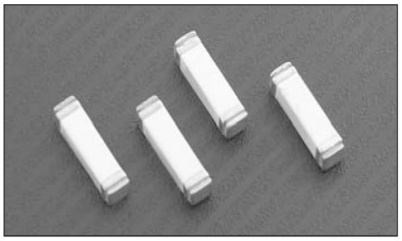
Agency Information

- UL Recognition Guide & File numbers: JDYX2 & E19180 (250mA - 15A)
- CSA Component Acceptance: File # 053787 C000, Class # 1422 30

Environmental Data

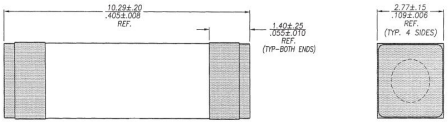
- Life test: MIL-STD-202, Method 108A, Test Condition D
- Load humidity: MIL-STD-202, Method 103B
- Moisture resistance: MIL-STD-202, Method 106E
- Terminal strength: MIL-STD-202, Method 211A
- Thermal shock: MIL-STD-202, Method 107D, air-to-air
- Case resistance: EIA/IS-722
- Resistance to dissolution of metallization: ANSI J-STD-002, Test D
- Mechanical shock: MIL-STD-202, Method 213B with exceptions per EIA/IS-722 Standard
- High frequency vibration: MIL-STD-202, Method 204D, Test Condition D
- Resistance to solvents: MIL-STD-202, Method 215A

RoHS 2002/95/EC

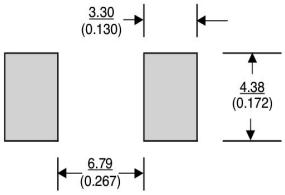


Dimensions – mm/in

Drawing Not to Scale



Recomended Pad Layout – mm (in)



Ordering

- Specify packaging and product code (i.e., TR2/1025FA250-R)

Soldering Method

- Wave solder: 260°C, 10 Sec max.
- Infrared reflow: 260°C, 30 Sec max.

Specifications

Product Code	Current Rating (amps)	Voltage Rating AC	Voltage Rating DC	Interrupting Rating (amps)* 250Vac	125Vdc	60Vdc	DC Cold Resistance** (Ω) Typical	Typical Melting I²t†	Typical Voltage Drop‡
1025FA250-R	250mA	250V	125V	50	50	-	4.7500	0.1212	2019mV
1025FA500-R	500mA	250V	125V	50	50	-	1.1500	0.0415	1500mV
1025FA750-R	750mA	250V	125V	50	50	-	0.5550	0.143	880mV
1025FA1-R	1	250V	125V	50	50	-	0.2800	1.750	560mV
1025FA1.5-R	1.5	250V	125V	50	50	-	0.1140	1.460	260mV
1025FA2-R	2	250V	125V	50	50	-	0.0750	6.086	258mV
1025FA2.5-R	2.5	250V	125V	50	50	-	0.0510	8.48	232mV
1025FA3-R	3	250V	125V	50	50	-	0.0384	18.15	205mV
1025FA3.5-R	3.5	250V	125V	50	50	-	0.0305	17.83	185mV
1025FA4-R	4	250V	125V	50	50	-	0.0275	23.32	190mV
1025FA5-R	5	250V	125V	50	50	-	0.0195	38.74	180mV
1025FA7-R	7	250V	60V	50	-	50	0.0116	138	150mV
1025FA10-R	10	250V	60V	50	-	50	0.0072	457	146mV
1025FA12-R	12	250V	60V	50	-	50	0.0056	498	120mV
1025FA15-R	15	250V	60V	50	-	50	0.0039	1451	110mV

* AC interrupting rating (measured at designated voltage, 100% power factor random closing); DC interrupting rating (measured at designated voltage, time constant of less than 50 microseconds, battery source)
** DC cold resistance (measured at ≤10% of rated current)
† Typical Melting I²t (measured with a battery bank at rated DC voltage, 10x-rated current, but not exceeding the interrupting rating. Time constant of calibrated circuit less than 50 microseconds). Test current not to exceed interrupting rating of 50A.
‡ Typical voltage drop (measured at rated current after temperature stabilizes)
• Device designed to carry rated current for four hours minimum. An operating current of 80% or less of rated current is recommended, with further derating required at elevated ambient temperatures.

Brick™ Fuses
1025TD Series, Time-Delay

RoHS

Description

- Time-delay surface mount fuse
- Satisfies the EIA/IS-722 Standard
- Solder immersion compatible

Electrical Characteristics	
% of Amp Rating	Opening Time
100%	4 Hours Minimum
200%	1 Second Minimum
200%	60 Seconds Maximum
250% *	10 Seconds Maximum

* If fuse does not open @ 200% in 60 seconds, raise current to 250% and the fuse must open in 10 seconds maximum.

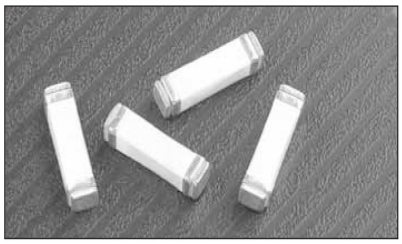
Agency Information

- UL Recognition Guide & File numbers: JDYX2 & E19180 (250mA - 5A)
- CSA Component Acceptance: File # 053787 C000, Class # 1422 30

Environmental Data

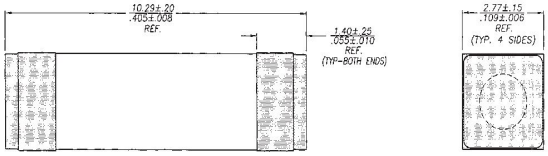
- Life test: MIL-STD-202, Method 108A, Test Condition D
- Load humidity: MIL-STD-202, Method 103B
- Moisture resistance: MIL-STD-202, Method 106E
- Terminal strength: MIL-STD-202, Method 211A
- Thermal shock: MIL-STD-202, Method 107D, air-to-air
- Case resistance: EIA/IS-722
- Resistance to dissolution of metallization: ANSI J-STD-002, Test D
- Mechanical shock: MIL-STD-202, Method 213B with exceptions per EIA/IS-722 Standard
- High frequency vibration: MIL-STD-202, Method 204D, Test Condition D
- Resistance to solvents: MIL-STD-202, Method 215A

RoHS 2002/95/EC

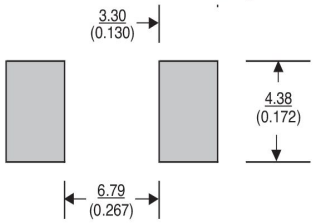


Dimensions – mm (in)

Drawing Not to Scale



Recommended Pad Layout – mm (in)



Ordering

- Specify packaging and product code (i.e., TR2/1025TD250-R)

Soldering Method

- Wave immersion: 260°C, 10 sec max.
- Infrared: 260°C, 30 sec max.

Specifications

Product Code	Current Rating Amps	Voltage Rating AC	Voltage Rating DC	Interrupting Rating* 250Vac	Interrupting Rating* 125Vdc	DC Cold Resistance** (Ω) Typical	Typical Melting I²t†	Typical Voltage Drop‡
1025TD250-R	250mA	250	125	50A	50A	4.200	0.128	1900 mV
1025TD500-R	500mA	250	125	50A	50A	0.5500	1.47	455 mV
1025TD750-R	750mA	250	125	50A	50A	0.317	0.93	400 mV
1025TD1-R	1	250	125	50A	50A	0.2030	9.91	387 mV
1025TD1.5-R	1.5	250	125	50A	50A	0.1025	11.79	310 mV
1025TD2-R	2	250	125	50A	50A	0.0680	17.27	250 mV
1025TD2.5-R	2.5	250	125	50A	50A	0.0420	16.51	201 mV
1025TD3-R	3	250	125	50A	50A	0.0330	42.74	184 mV
1025TD3.5-R	3.5	250	125	50A	50A	0.0270	43.33	180 mV
1025TD4-R	4	250	125	50A	50A	0.0220	66.96	152 mV
1025TD5-R	5	250	125	50A	50A	0.0160	88.38	145 mV

* AC Interrupting Rating (Measured at designated voltage, 100% power factor random closing); DC Interrupting Rating (Measured at designated voltage, time constant of the calibrated circuit is less than 50 microseconds, battery source)

** DC Cold Resistance (Measured at ≤10% of rated current)

† Typical Melting I^2t (Measured with a battery bank at rated DC voltage, 10x-rated current, time constant of calibrated circuit less than 50 microseconds)

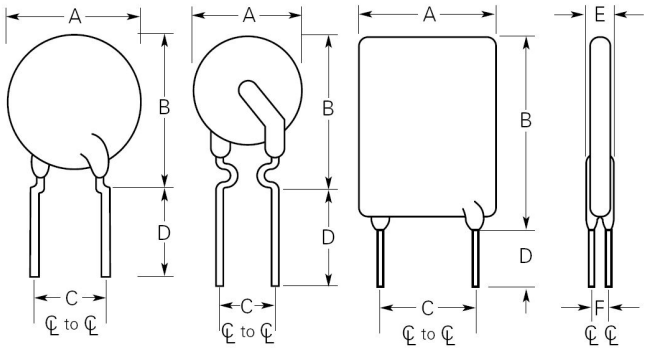
‡ Typical Voltage Drop (Measured at rated current after temperature stabilizes)

• Device designed to carry rated current for four hours minimum. An operating current of 80% or less of rated current is recommended, with further derating required at elevated ambient temperatures.

插件式

可恢复保险丝
PPTC FUSE

RoHS

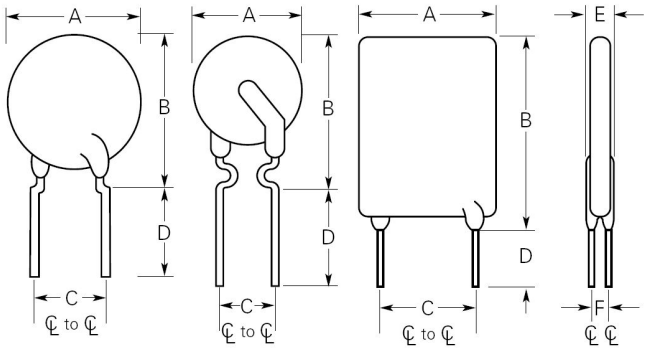


6V 系列 6V Product Data c

Model 型号	Ih	It	Vmax i	Imax	Rmin	Rmax	Product Dimensions (mm) 最大产品尺寸				
	A	A	V	A	Ω	Ω	Style	A	B	C	D	Lead
6-040	0.40	0.80	6	40	0.30	0.60	F4	6.0	8.5	5.1	3.0	0.5
6-050	0.50	1.00	6	40	0.20	0.50	F4	6.0	8.5	5.1	3.0	0.5
6-065	0.65	1.30	6	40	0.16	0.32	F4	6.0	8.5	5.1	3.0	0.5
6-075	0.75	1.50	6	40	0.14	0.23	F4	6.0	8.5	5.1	3.0	0.5
6-090	0.90	1.80	6	40	0.10	0.18	F3	6.5	9.5	5.1	3.0	0.5
6-110	1.10	2.20	6	40	0.08	0.14	F3	6.0	12.8	5.1	3.0	0.5
6-120	1.20	2.40	6	40	0.08	0.14	F2	6.9	13.9	5.1	3.0	0.5
6-135	1.35	2.70	6	40	0.06	0.115	F3	8.8	15.8	5.1	3.0	0.5
6-160	1.60	3.20	6	40	0.05	0.110	F1	9.5	16.5	5.1	3.0	0.5
6-185	1.85	3.70	6	40	0.05	0.085	F1	9.8	18.6	5.1	3.0	0.5
6-250	2.50	5.00	6	40	0.03	0.06	F1	11.5	20.5	5.1	3.0	0.5

16V 系列 6v Product Data

Model 型号	Ih	It	Vmaxi	Imax	Rmin	Rmax	Product Dimensions (mm) 最大产品尺寸					
	A	A	V	A	mΩ	mΩ	Style	A	B	C	D	Lead
16-100	1.0	1.7	16	40	100	300	F2	7.0	10.5	5.1	3.0	0.6
16-200	2.0	3.4	16	40	50	120	F1	6.0	12.8	5.1	3.0	0.6
16-300	3.0	5.1	16	100	34	72	F1	8.8	11.8	5.1	3.0	0.8
16-400	4.0	6.8	16	100	18	43	F1	9.5	12.5	5.1	3.0	0.8
16-500	5.0	8.5	16	100	14	30	F1	9.8	14.6	5.1	3.0	0.8
16-600	6.0	10.2	16	100		25	F1	11.6	14.6	5.1	3.0	0.8
16-700	7.0	11.9	16	100	8	19	F1	13.0	17.0	5.1	3.0	0.8
16-800	8.0	13.6	16	100		14.5	F1	14.5	20.0	5.1	3.0	0.8
16-900	9.0	15.3	16	100		12	F1	14.5	20.0	5.1	3.0	0.8
16-1000	10.0	17.0	16	100	4.5	11	F1	17.5	24.5	10.2	3.0	0.8
16-1100	11.0	18.7	16	100	4	10	F1	17.5	24.5	10.2	3.0	0.8
16-1200	12.0	20.4	16	100	3.5	9	F1	17.5	24.5	10.2	3.0	0.8
16-1400	14.0	23.8	16	100		8	F1	20.5	28.0	10.2	3.0	0.8

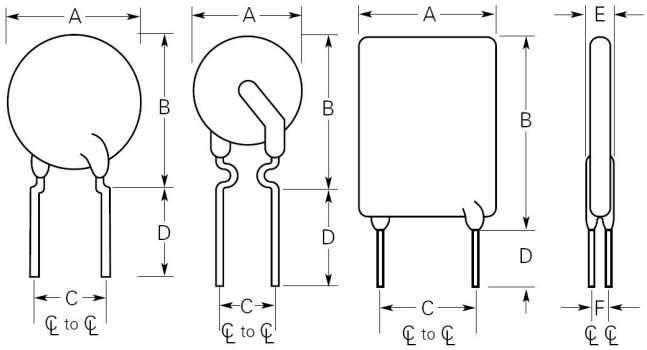


30V 系列 30V Series Data

Model 型号	Ih	It	Vmax	Imax	Rmin	Rmax	Product Dimensions (mm) 最大产品尺寸					
	A	A	V	A	mΩ	mΩ	Style	A	B	C	D	Lead
30-050	0.50	1.0	30	40	200	500	F3	6.0	8.5	5.1	3.0	0.5
30-070	0.70	1.4	30	40	120	290	F3	7.0	10.0	5.1	3.0	0.5
30-090	0.90	1.8	30	40	90	220	F2	6.5	9.5	5.1	3.0	0.5
30-110	1.10	2.2	30	40	70	170	F2	6.0	12.8	5.1	3.0	0.5
30-135	1.35	2.7	30	40	55	130	F1	8.8	15.8	5.1	3.0	0.5
30-160	1.60	3.2	30	40	45	110	F1	9.5	16.5	5.1	3.0	0.5
30-185	1.85	3.7	30	40	35	90	F1	9.8	18.6	5.1	3.0	0.5
30-250	2.5	5.0	30	40	27	65	F1	11.5	20.5	5.1	3.0	0.6
30-300	3.0	6.0	30	40	22	55	F2	11.5	16.5	5.1	3.0	0.8
30-400	4.0	8.0	30	40	18	45	F2	14.0	19.6	5.1	3.0	0.8
30-500	5.0	10.0	30	40	13.5	33	F2	14.0	19.6	10.2	3.0	0.8
30-600	6.0	12.0	30	40		25	F2	17.5	24.5	10.2	3.0	0.8
30-700	7.0	14.0	30	40		20	F2	17.5	24.5	10.2	3.0	0.8
30-800	8.0	16.0	30	40	7	17	F2	20.5	28.0	10.2	3.0	0.8
30-900	9.0	18.0	30	40	6	14.5	F2	24.5	28.5	10.2	3.0	0.8

60V 系列 60V Series Data

Model 型号	Ih	It	Vmax	Imax	Rmin	Rmax	Product Dimensions (mm) 最大产品尺寸					
	A	A	V	A	Ω	Ω	Style	A	B	C	D	Lead
60-005	0.05	0.10	60	40	10	25.0	F2	6.0	8.5	5.1	3.1	0.5
60-010	0.10	0.20	60	40	3.00	7.5	F2	6.0	8.5	5.1	3.1	0.5
60-017	0.17	0.34	60	40	1.80	5.80	F2	6.0	8.5	5.1	3.1	0.5
60-020	0.20	0.40	60	40	1.50	3.300	F2	6.0	8.5	5.1	3.1	0.5
60-025	0.25	0.50	60	40	1.00	2.20	F2	6.0	8.5	5.1	3.1	0.5
60-030	0.30	0.60	60	40	0.70	1.55	F2	6.7	10.7	5.1	3.1	0.5
60-040	0.40	0.80	60	40	0.50	1.10	F1	7.2	14.2	5.1	3.1	0.5
60-050	0.50	1.00	60	40	0.35	0.85	F1	7.5	14.5	5.1	3.1	0.5
60-065	0.65	1.30	60	40	0.30	0.66	F1	9.1	16.1	5.1	3.1	0.5
60-075	0.75	1.50	60	40	0.25	0.55	F1	9.8	16.8	5.1	3.1	0.5
60-090	0.90	1.80	60	40	0.20	0.45	F1	11.0	18.0	5.1	3.1	0.5
60-110	1.10	2.20	60	40	0.15	0.33	F2	12.5	17.5	5.1	3.1	0.8
60-135	1.35	2.70	60	40	0.12	0.27	F2	14.2	19.2	5.1	3.1	0.8
60-160	1.60	3.20	60	40	0.09	0.22	F2	16.3	21.3	5.1	3.1	0.8
60-185	1.85	3.70	60	40	0.08	0.18	F2	17.4	22.4	5.1	3.1	0.8
60-250	2.50	5.00	60	40	0.055	0.11	F2	21.6	26.6	10.2	3.1	0.8
60-300	3.00	6.00	60	40	0.045	0.09	F2	24.8	29.8	10.2	3.1	0.8
60-375	3.75	7.50	60	40	0.035	0.08	F2	27.0	32.0	10.2	3.1	0.8
60-500	5.00	10.0	60	40	0.03	0.07	F2	28.5	33.5	10.2	3.1	0.8



130V 系列 130V Series Data

Model 型号	Ih	It	Vmax	Imax	Rmin	Rmax	Product Dimensions (mm) 最大产品尺寸					
	A	A	V	A	Ω	Ω	Style	A	B	C	D	Lead
130-050	0.05	0.10	130	20	20	60	F2	8.3	10.7	5.1	3.8	0.5
130-080	0.08	0.16	130	20	12	24	F2	8.3	10.7	5.1	3.8	0.5
130-100	0.10	0.20	130	20	9.0	18	F2	8.3	10.7	5.1	3.8	0.5
130-120	0.12	0.24	130	20	6.0	12	F2	8.3	10.7	5.1	3.8	0.5
130-160	0.16	0.32	130	20	3.5	7.5	F2	9.9	12.5	5.1	3.8	0.5
130-200	0.20	0.40	130	20	2.5	5.0	F1	9.6	17.4	5.1	3.8	0.6
130-250	0.25	0.50	130	20	1.9	3.8	F1	9.6	17.4	5.1	3.8	0.6
130-300	0.30	0.60	130	20	1.3	2.6	F1	11.4	16.5	5.1	3.8	0.6
130-400	0.40	0.80	130	20	0.9	1.8	F1	11.5	19.5	5.1	3.8	0.6
130-500	0.50	1.00	130	20	0.8	1.6	F1	14.0	21.7	5.1	3.8	0.8
130-650	0.65	1.30	130	10	0.5	1.0	F1	14.0	21.7	5.1	3.8	0.8
130-750	0.75	1.50	130	10	0.4	0.8	F3	14.0	21.7	5.1	3.8	0.8
130-900	0.90	1.80	130	10	0.3	0.6	F3	14.0	21.7	5.1	3.8	0.8
130-1100	1.10	2.20	130	10	0.3	0.5	F2	13.2	16.2	5.1	3.8	0.8
130-1350	1.35	2.70	130	10	0.2	0.4	F1	18.0	25.0	5.1	3.8	0.8
130-1600	1.60	3.20	130	10	0.15	0.30	F1	18.0	25.0	10.2	3.8	0.8
130-1850	1.85	3.70	130	10	0.12	0.25	F1	18.0	25.0	10.2	3.8	0.8
130-2000	2.00	4.00	130	10	0.11	0.22	F1	18.0	25.0	10.2	3.8	0.8
130-2500	2.50	5.00	130	10	0.08	0.16	F1	24.8	30.2	10.2	3.8	0.8
130-3000	3.00	6.00	130	10	0.06	0.12	F1	26.2	32.8	10.2	3.8	0.8

250V 系列 250V Series Data

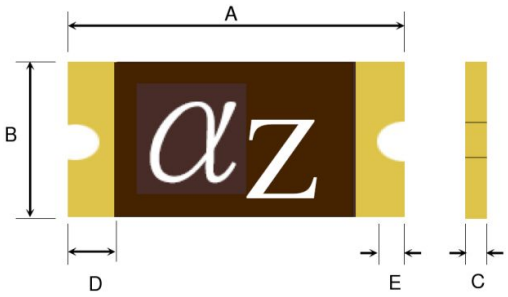
Model 型号	Ih	It	Vmax	Imax	Rmin	Rmax	Product Dimensions (mm) 最大产品尺寸					
	A	A	V	A	Ω	Ω	Style	A	B	C	D	Lead
250-030	0.03	0.06	250	1	35	90	F2	6.0	8.0	5.1	4.6	0.5
250-040	0.04	0.08	250	1	27	65	F2	6.0	8.0	5.1	4.6	0.5
250-050	0.05	0.10	250	1	20	45	F2	6.0	8.0	5.1	4.6	0.5
250-060	0.06	0.12	250	3	20	45	F2	6.5	9.0	5.1	4.6	0.6
250-080	0.08	0.16	250	3	10	22	F2	6.5	9.0	5.1	4.6	0.5
250-090	0.09	0.18	250	3	7.0	17.5	F2	6.5	9.0	5.1	4.6	0.5
250-110	0.11	0.22	250	3	6.0	12	F1	7.0	9.5	5.1	4.6	0.6
250-120	0.12	0.24	250	3	6.5	10.5	F1	7.0	9.5	5.1	4.6	0.6
250-145	0.145	0.29	250	3	3.5	6.5	F1	7.0	9.5	5.1	4.6	0.6
250-180	0.18	0.36	250	10	1.35	3.0	F2	10.5	13.5	5.1	4.6	0.6
250-200	0.20	0.40	250	10	3.0	6.0	F2	10.5	13.5	5.1	4.6	0.6
250-400	0.40	0.80	250	10	1.35	3.0	F1	11.2	14.2	5.1	4.6	0.8
250-600	0.60	1.20	250	10	1.0	2.0	F1	12.6	15.6	5.1	4.6	0.8
250-800	0.80	1.60	250	10	0.5	1.0	F1	15.0	19.5	5.1	4.6	0.8
50-1000	1.00	2.00	250	10	0.4	0.8	F2	21.1	23.6	10.2	4.6	0.8
250-1500	1.50	3.00	250	10	0.3	0.6	F1	21.0	27.5	10.2	4.6	0.8
250-2000	2.00	4.00	250	10	0.2	0.4	F1	26.2	32.8	10.2	4.6	0.8

贴片式

贴片保险丝
SMD PTC FUSE

RoHS

1206



Terminal Pad Solderability:
Meets EIA Specification RS186-9EAnd ANSI/J-STD-002 Category 3.
Terminal Pad Materials:
Gold-Plated Nickel-Copper or Tin-plated Nickel-Copper Lead-Free, RoHS Compliant

PHYSICAL DIMENSIONS (mm)

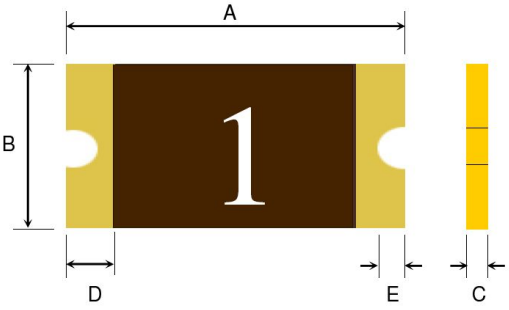
Model	Marking	A		B		C		D	E
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
nSMD005	αZ	3.00	3.50	1.50	1.80	0.60	1.10	0.15	0.10
nSMD010	αN	3.00	3.50	1.50	1.80	0.60	1.10	0.15	0.10
nSMD020	αA	3.00	3.50	1.50	1.80	0.40	0.90	0.15	0.10
nSMD025	αA	3.00	3.50	1.50	1.80	0.40	0.90	0.15	0.10
nSMD035	αB	3.00	3.50	1.50	1.80	0.40	0.90	0.15	0.10
nSMD050	αF	3.00	3.50	1.50	1.80	0.35	0.85	0.15	0.10
nSMD075	αG	3.00	3.50	1.50	1.80	0.30	0.80	0.15	0.10
nSMD100	αH	3.00	3.50	1.50	1.80	0.40	0.80	0.15	0.10
nSMD150	αI	3.00	3.50	1.50	1.80	0.50	1.20	0.15	0.10
nSMD200	αk	3.00	3.50	1.50	1.80	0.50	1.20	0.15	0.10

ELECTRICAL CHARACTERISTICS

Model	Marking	Vmax (Vdc)	Imax (A)	Ihold @25°C (A)	Itrip @25°C (A)	Pd Typ. (W)	Maximum Time To Trip		Resistance		
							Current	Time (Sec)	Rimin (Ω)	Rityp (Ω)	R1max (Ω)
nSMD005	αZ	60	100	0.05	0.15	0.4	0.25	1.5	3.600	10.000	50.000
nSMD010	αN	60.0	100	0.10	0.25	0.4	0.5	1.00	1.600	6.000	15.000
nSMD020	αA	30.0	100	0.20	0.40	0.6	8.0	0.08	0.350	0.480	2.500
nSMD025	αA	16.0	100	0.25	0.50	0.6	8.0	0.08	0.350	0.480	2.500
nSMD035	αB	6.0	100	0.35	0.75	0.6	8.0	0.10	0.250	0.380	1.300
nSMD050	αF	6.0	100	0.50	1.00	0.6	8.0	0.10	0.150	0.300	0.700
nSMD050-13.2V	αF	13.2	100	0.50	1.00	0.6	8.0	0.10	0.150	0.300	0.700
nSMD075	αG	6.0	100	0.75	1.50	0.6	8.0	0.20	0.090	0.160	0.500
nSMD100	αH	6.0	100	1.00	1.80	0.6	8.0	0.30	0.055	0.100	0.270
nSMD150	αI	6.0	100	1.50	3.00	0.8	8.0	1.00	0.040	0.070	0.130
nSMD200	αk	6.0	100	2.00	3.50	0.8	8.0	1.50	0.018	0.070	0.080

Order Information	Packaging
SMD1206 200	Tape & Reel Quantity
Product name Hold Max Size 3216 mm / 1206 mils Current voltage SMD：surface mount device 2.00A	005,010,150,200 3500 pcs/reel 020,025,035,050,075,100 3500 pcs/reel

0805



Terminal Pad Solderability:
Meets EIA Specification RS186-9E And ANSI/J-STD-002 Category 3.
Terminal Pad Materials:
Gold-Plated Nickel-Copper or Tin-plated Nickel-Copper Lead-Free, RoHS Compliant

PHYSICAL DIMENSIONS (mm)

Model	Marking	A		B		C		D	E
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
SMD0805-010	1	2.00	2.20	1.20	1.50	0.50	1.00	0.20	0.10
SMD0805-020	2	2.00	2.20	1.20	1.50	0.45	1.00	0.20	0.10
SMD0805-020-24V	2	2.00	2.20	1.20	1.50	0.50	1.20	0.20	0.10
SMD0805-035	3	2.00	2.20	1.20	1.50	0.45	1.00	0.20	0.10
SMD0805-050	5	2.00	2.20	1.20	1.50	0.30	0.60	0.20	0.10
SMD0805-075	7	2.00	2.20	1.20	1.50	0.40	1.00	0.20	0.10
SMD0805-100	0	2.00	2.20	1.20	1.50	0.50	1.10	0.20	0.10
SMD0805-100-12V	0	2.00	2.20	1.20	1.50	0.50	1.20	0.20	0.10
SMD0805-110	0	2.00	2.20	1.20	1.50	0.50	1.20	0.20	0.10

ELECTRICAL CHARACTERISTICS

Model	Marking	Vmax (Vdc)	Imax (A)	Ihold @25°C (A)	Itrip @25°C (A)	Pd Typ. (W)	Maximum Time To Trip		Resistance		
							Current	Time (Sec)	Rimin (Ω)	Rityp (Ω)	R1max (Ω)
SMD0805-010	1	15.0	100	0.10	0.30	0.50	0.5	1.50	1.000	2.500	6.000
SMD0805-020	2	9.0	100	0.20	0.50	0.50	8.0	0.02	0.650	1.700	3.500
SMD0805-020-24V	2	9.0	100	0.20	0.50	0.50	8.0	0.02	0.650	1.700	3.500
SMD0805-035	3	6.0	100	0.35	0.75	0.50	8.0	0.10	0.250	0.650	1.200
SMD0805-050	5	6.0	100	0.50	1.00	0.50	8.0	0.10	0.150	0.420	0.850
SMD0805-075	7	6.0	40	0.75	1.50	0.60	8.0	0.20	0.090	0.185	0.385
SMD0805-100	0	6.0	100	1.00	1.95	0.60	8.0	0.30	0.060	0.120	0.230
SMD0805-100-12V	0	12.0	100	1.00	1.95	0.60	8.0	0.30	0.060	0.120	0.230
SMD0805-110	0	6.0	100	1.10	2.20	0.60	8.0	0.30	0.060	-	0.210

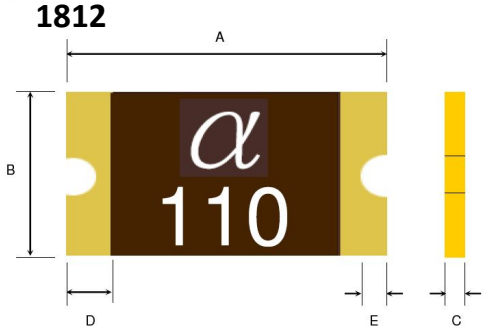
Order Information	Packaging
SMD0805 020 —24V	Tape & Reel Quantity
Product name Hold Max Size 2012 mm / 0805 mils Current voltage SMD：surface mount device 0.20A	010、020、035、050 5,000 pcs/reel 075、100、110、125 4,000 pcs/reel

贴片式

贴片保险丝
SMD PTC FUSE

RoHS

1812



Terminal Pad Solderability:
Meets EIA Specification RS186-9E And ANSI/J-STD-002 Category 3.
Terminal Pad Materials:
Gold-Plated Nickel-Copper Lead-Free, RoHS Compliant

PHYSICAL DIMENSIONS (mm)

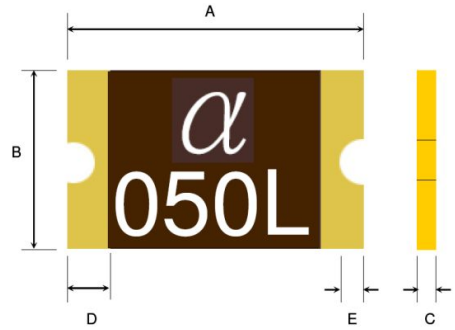
Model	A		B		C		D	E
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
mSMD010	4.37	4.73	3.07	3.41	0.50	1.00	0.30	0.25
mSMD014	4.37	4.73	3.07	3.41	0.50	1.00	0.30	0.25
mSMD020	4.37	4.73	3.07	3.41	0.50	1.00	0.30	0.25
mSMD030	4.37	4.73	3.07	3.41	0.50	1.00	0.30	0.25
mSMD050	4.37	4.73	3.07	3.41	0.40	0.90	0.30	0.25
mSMD075	4.37	4.73	3.07	3.41	0.40	0.90	0.30	0.25
mSMD110	4.37	4.73	3.07	3.41	0.40	0.90	0.30	0.25
mSMD125	4.37	4.73	3.07	3.41	0.30	0.80	0.30	0.25
mSMD150	4.37	4.73	3.07	3.41	0.30	0.80	0.30	0.25
mSMD160	4.37	4.73	3.07	3.41	0.30	0.80	0.30	0.25
mSMD200	4.37	4.73	3.07	3.41	0.40	0.80	0.30	0.25
mSMD260	4.37	4.73	3.07	3.41	0.50	1.10	0.30	0.25
mSMD300	4.37	4.73	3.07	3.41	0.50	1.20	0.30	0.25
mSMD350	4.37	4.73	3.07	3.41	0.50	1.20	0.30	0.25

ELECTRICAL CHARACTERISTICS

Model	Vmax (V)	Imax (A)	Ihold @25°C (A)	Itrip @25°C (A)	Pd Typ. (W)	Maximum Time To Trip		Resistance		
						Current	Time (Sec)	Rimin (Ω)	Rityp (Ω)	R1max (Ω)
mSMD010	30.0	100	0.10	0.30	0.8	0.5	1.50	0.750	2.000	15.000
mSMD014	60.0	100	0.14	0.34	0.8	1.5	0.15	0.650	1.500	6.000
mSMD020	30.0	100	0.20	0.40	0.8	8.0	0.02	0.350	0.800	5.000
mSMD030	30.0	100	0.30	0.60	0.8	8.0	0.10	0.250	0.350	3.000
mSMD050	15.0	100	0.50	1.00	0.8	8.0	0.15	0.150	0.250	1.000
mSMD075	13.2	100	0.75	1.50	0.8	8.0	0.20	0.090	0.150	0.450
mSMD110	8.0	100	1.10	2.20	0.8	8.0	0.30	0.050	0.065	0.250
mSMD110-16V	16.0	100	1.10	2.20	0.8	8.0	0.30	0.050	0.065	0.250
mSMD125	16.0	100	1.25	2.50	0.8	8.0	0.40	0.050	0.075	0.140
mSMD150	8.0	100	1.50	3.00	0.8	8.0	0.50	0.040	0.055	0.160
mSMD150-16V	16.0	100	1.50	3.00	0.8	8.0	0.50	0.040	0.055	0.160
mSMD160	8.0	100	1.60	2.80	0.8	8.0	1.00	0.030	0.050	0.130
mSMD200	8.0	100	2.00	4.00	0.8	8.0	2.00	0.020	0.032	0.100
mSMD260	8.0	100	2.60	5.00	0.8	8.0	2.50	0.015	0.027	0.050
mSMD300	8.0	100	3.00	5.00	0.8	8.0	4.00	0.012	0.027	0.040
mSMD350	6.0	100	3.50	6.00	2.0	10.0	4.00	0.008	-	0.030

Order Information			Packaging
mSMD	110		Tape & Reel Quantity
Product name Size 4532 mm / 1812 mils SMD：surface mount device	Hold Current 1.10A	Max voltage	010,014,020,030,260,300,350 1,500 pcs/reel 050,075,110,150,160,200 2,000 pcs/reel

2920



Terminal Pad Solderability:
Meets EIA Specification RS186-9E And ANSI/J-STD-002 Category 3.

Terminal Pad Materials:
Gold-Plated Nickel-Copper or Tin-plated Nickel-Copper Lead-Free, RoHS Compliant

PHYSICAL DIMENSIONS (mm)

Model	Marking	A		B		C		D
		Min.	Max.	Min.	Max.	Min.	Max.	Min.
SMD1210-005	αA	3.00	3.43	2.35	2.80	0.30	0.80	0.30
SMD1210-010	αB	3.00	3.43	2.35	2.80	0.30	0.80	0.30
SMD1210-020	αC	3.00	3.43	2.35	2.80	0.30	0.80	0.30
SMD1210-035	αD	3.00	3.43	2.35	2.80	0.30	0.80	0.30
SMD1210-050	αF	3.00	3.43	2.35	2.80	0.30	0.80	0.30
SMD1210-075	αG	3.00	3.43	2.35	2.80	0.30	0.80	0.30
SMD1210-110	αH	3.00	3.43	2.35	2.80	0.30	0.80	0.30
SMD1210-150	αL	3.00	3.43	2.35	2.80	0.40	0.80	0.30
SMD1210-175	αN	3.00	3.43	2.35	2.80	0.40	0.80	0.30
SMD1210-200	αS	3.00	3.43	2.35	2.80	0.50	1.20	0.30

ELECTRICAL CHARACTERISTICS

Model	Marking	Vmax (V)	Imax (A)	Ihold @25°C (A)	Itrip @25°C (A)	Pd Typ. (W)	Maximum Time To Trip		Resistance		
							Current	Time (Sec)	Rimin (Ω)	Rityp (Ω)	R1max (Ω)
SMD1210-005	αA	30	100	0.05	0.15	0.6	0.25	1.50	2.800	25.000	50.000
SMD1210-010	αB	30	100	0.10	0.30	0.6	0.50	0.60	0.800	5.000	15.000
SMD1210-020	αC	30	100	0.20	0.40	0.6	8.0	0.02	0.400	2.000	5.000
SMD1210-035	αD	6	100	0.35	0.75	0.6	8.0	0.20	0.200	0.550	1.300
SMD1210-050	αF	13.2	100	0.50	1.00	0.6	8.0	0.10	0.180	0.400	0.900
SMD1210-075	αG	6	100	0.75	1.50	0.6	8.0	0.10	0.070	0.130	0.400
SMD1210-110	αH	6	100	1.10	2.20	0.6	8.0	0.30	0.050	0.100	0.210
SMD1210-150	αL	6	100	1.50	3.00	0.6	8.0	0.50	0.030	0.070	0.110
SMD1210-175	αN	6	100	1.75	3.50	0.8	8.0	0.60	0.020	-	0.080
SMD1210-200	αS	6	100	2.00	4.00	0.8	8.0	1.00	0.015	-	0.070

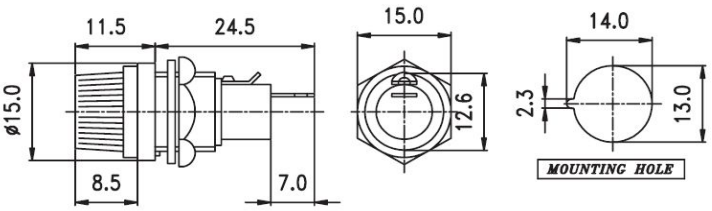
Order Information			Packaging
SMD1210	010		Tape & Reel Quantity
Product name Size 3225 mm / 1210 mils SMD：surface mount device	Hold Current 0.10A	Max voltage	050,075 4000 pcs/reel The others 4500 pcs/reel

5x20面板安装系列

保险丝座
Panel Mount Fuse Holder

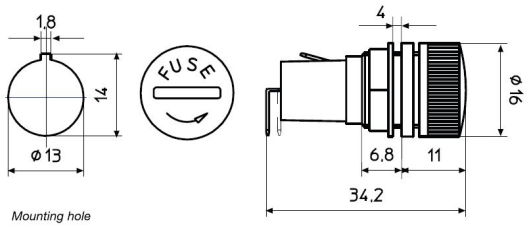
编号： 520 012

电流:10A 电压:AC250V



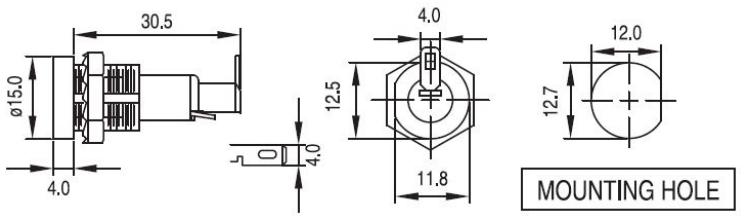
编号： 520 030

电流:6.3A 电压:AC250V



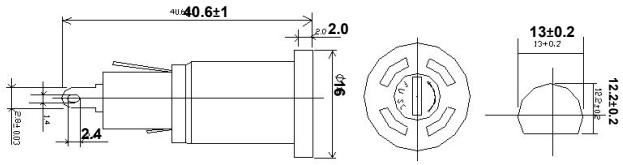
编号： 520 011

电流:10A 电压:AC250V



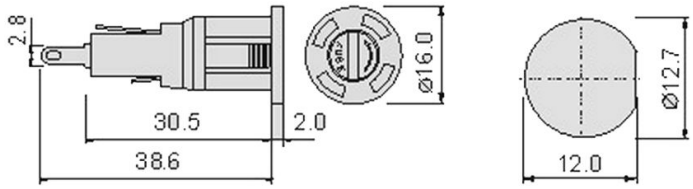
编号： 520 054B

电流:6.3A 电压:AC250V



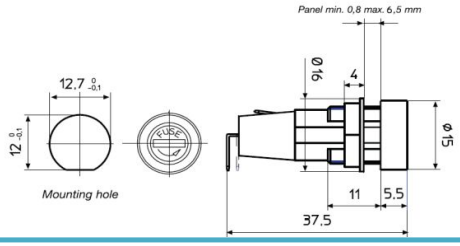
编号： 520 054

电流:6.3A 电压:AC250V



编号： OP520

电流:6.3A 电压:AC250V

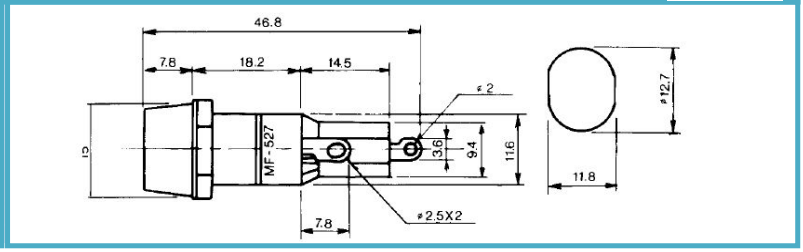


5x20面板安装系列

保险丝座
Panel Mount Fuse Holder

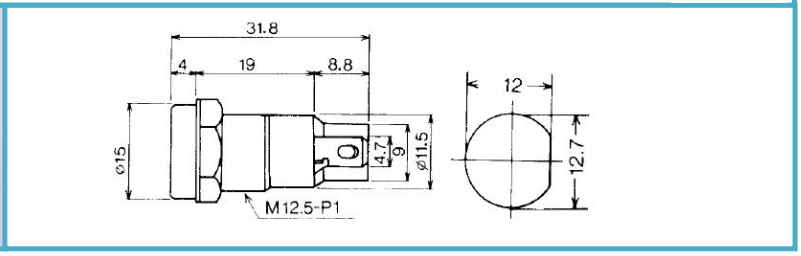
编号： MF527

电流:10A 电压:250V



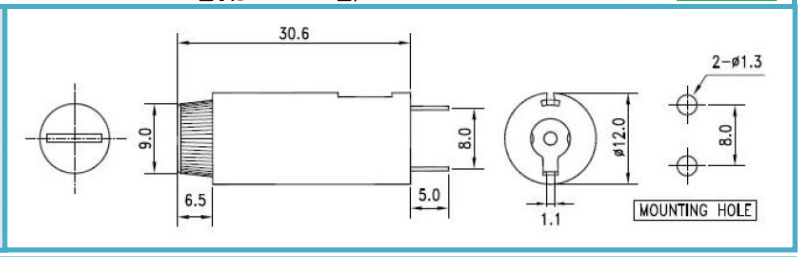
编号： MF528

电流:6.3A 电压:250V



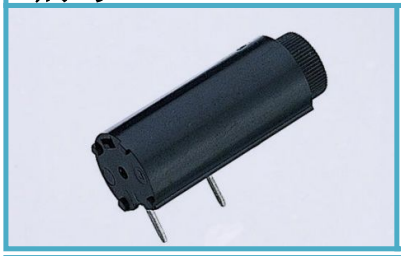
编号： 520 024

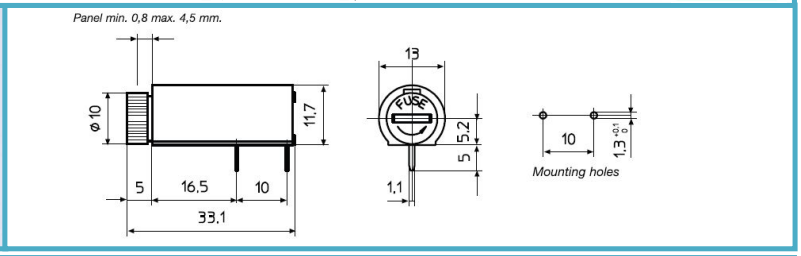
电流:10A 电压:250V



编号： 520 045

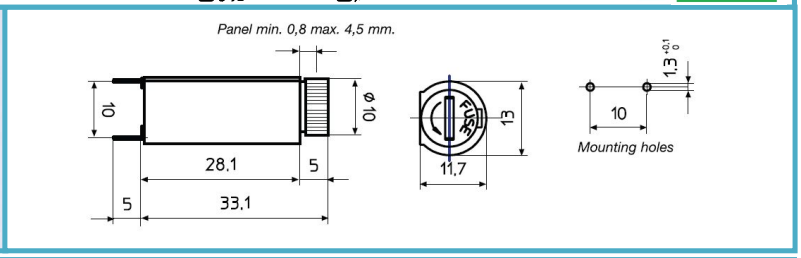
电流:10A 电压:250V





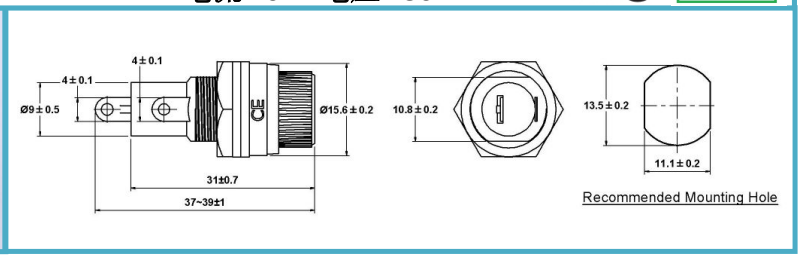
编号： 520 050

电流:10A 电压:250V



编号： 520 063A

电流:10A 电压:250V

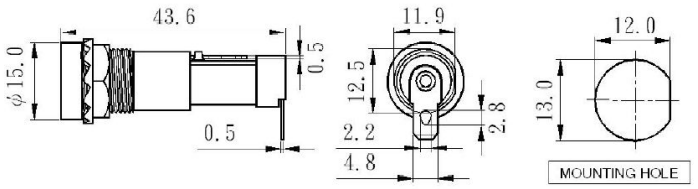


6X30面板安装系列

保险丝座
Panel Mount Fuse Holder

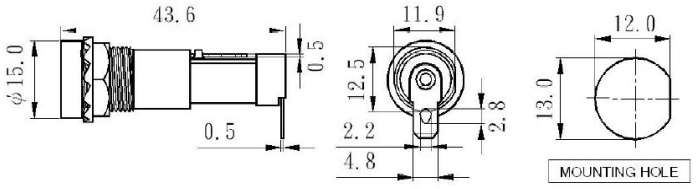
编号： 630 009

电流:15A 电压:250V



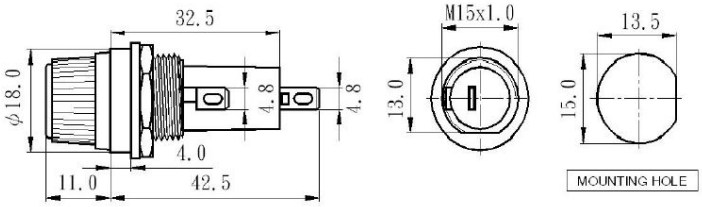
编号： 630 0091

电流:15A 电压:250V



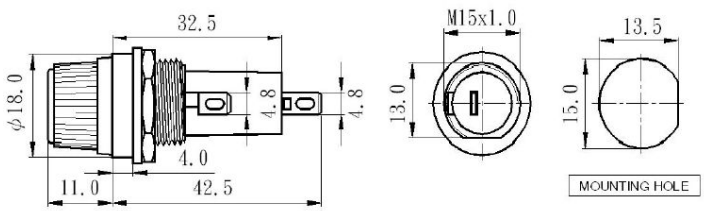
编号： 630 013A

电流:10A 电压:250V



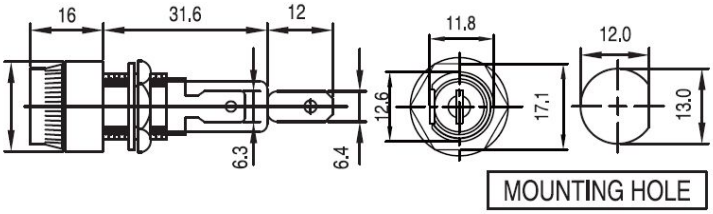
编号： 630 013

电流:10A 电压:250V



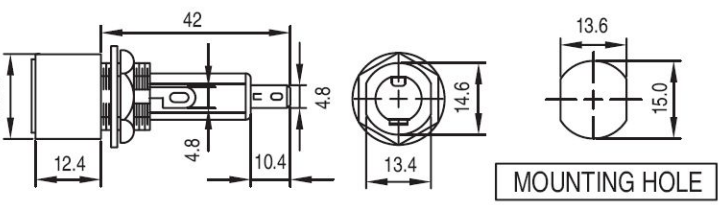
编号： 630 014A

电流:15A 电压:250V



编号： 630 022

电流:15A 电压:250V

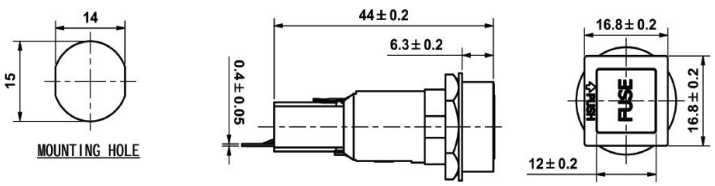


6X30面板安装系列

保险丝座
Panel Mount Fuse Holder

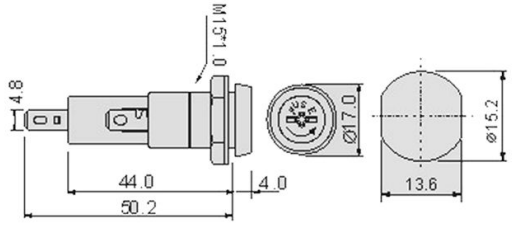
编号： 630 021C

电流:10A 电压:250V



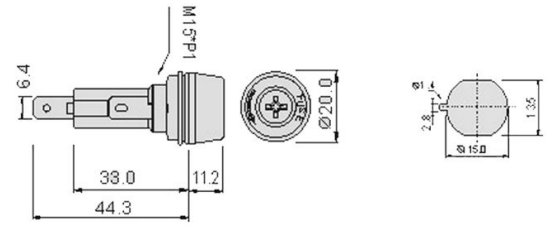
编号： 630 044

电流:15A 电压:250V



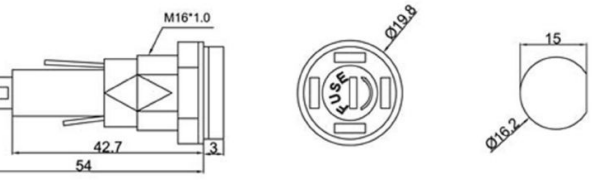
编号： 630 053

电流:20A 电压:250V



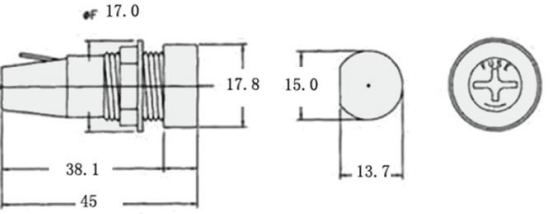
编号： 630 055

电流:20A 电压:250V



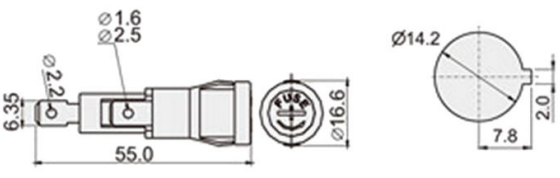
编号： OP530

电流:10A 电压:250V



编号： 630 066A

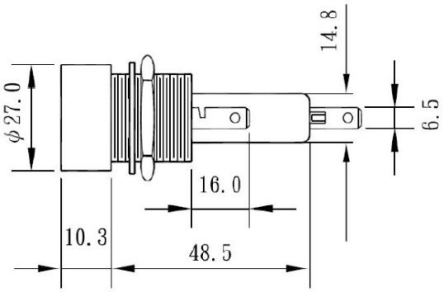
电流:20A 电压:250V

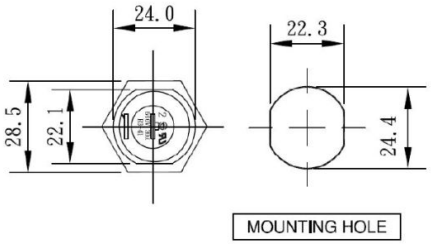


保险丝座
Panel Mount Fuse Holder

编号：L10 041

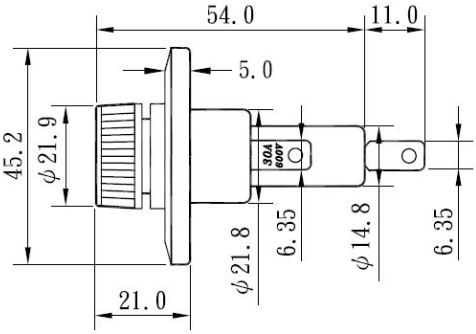
电流:30A 电压:600V

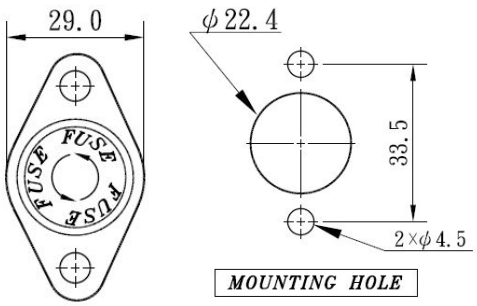




编号：L10 018

电流:30A 电压:600V



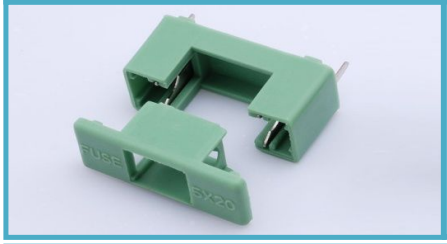


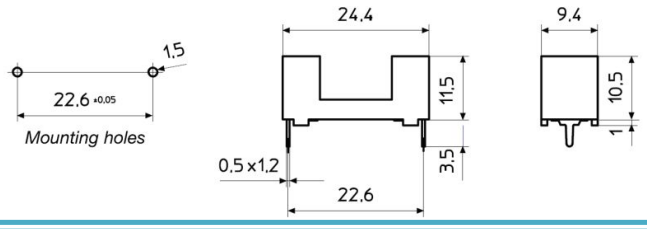
PCB安装系列

保险丝座
PCB Mount Fuse Holder

编号： 520 F078

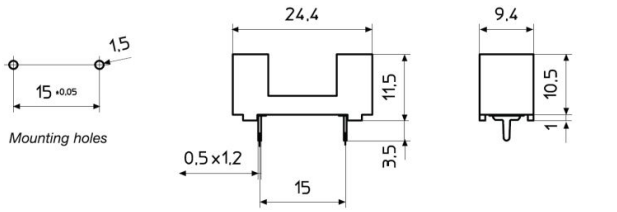
电流:10A 电压:250V





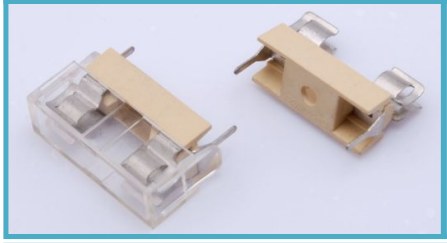
编号： 520 F076

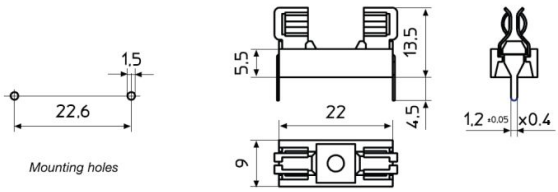
电流:10A 电压:250V



编号： 520 F015

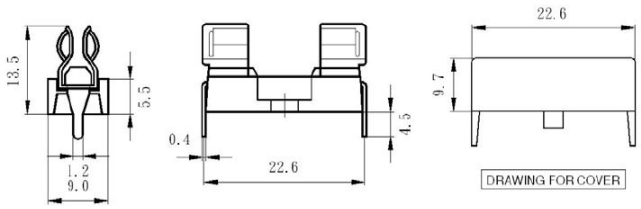
电流:10A 电压:250V





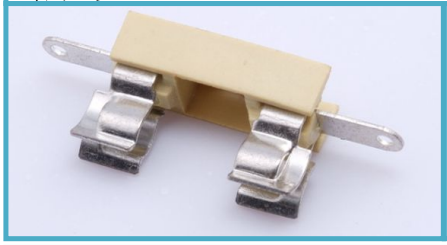
编号： 520 F015H

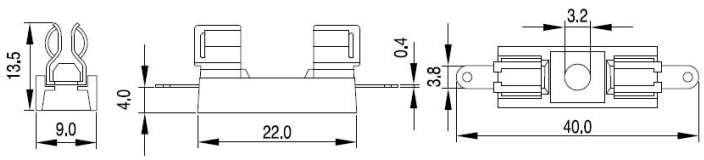
电流:10A 电压:250V



编号： 520 F010

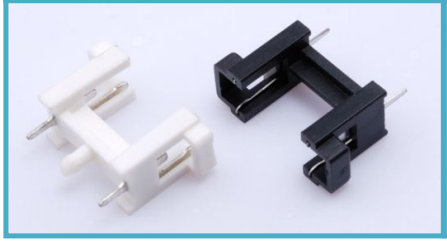
电流:10A 电压:250V

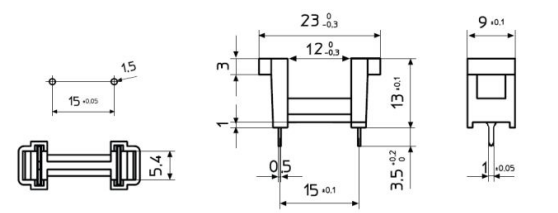




编号： 520 F060

电流:10A 电压:250V

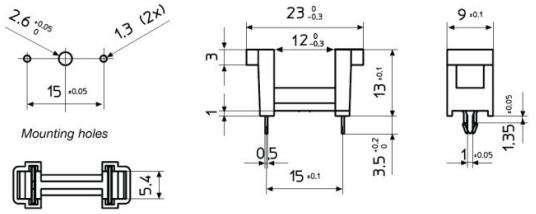




保险丝座
PCB Mount Fuse Holder

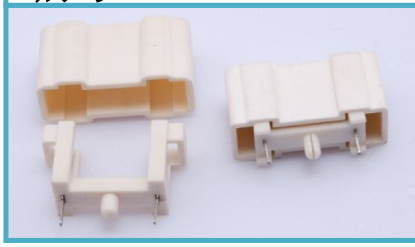
编号： 520 F060A

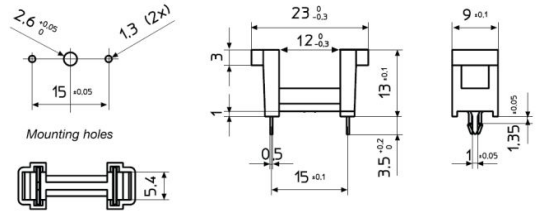
电流:6.3A 电压:250V



编号： 520 F060B

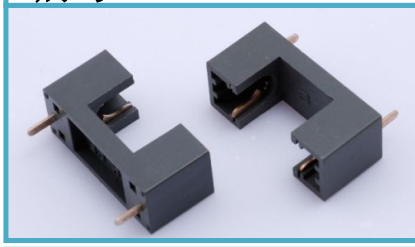
电流:6.3A 电压:250V

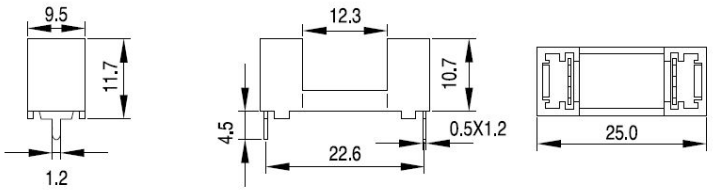




编号： 520 F263

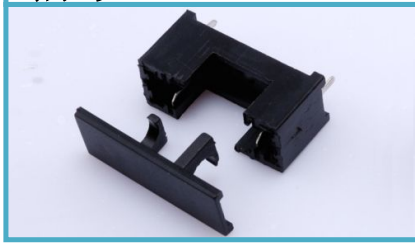
电流:6A 电压:250V

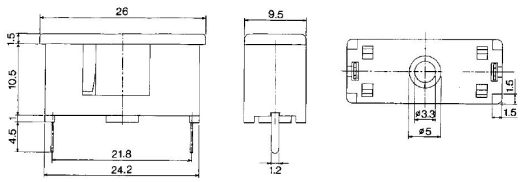




编号： 520 F563

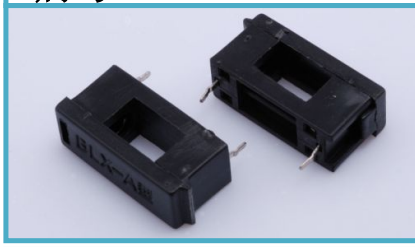
电流:6A 电压:250V

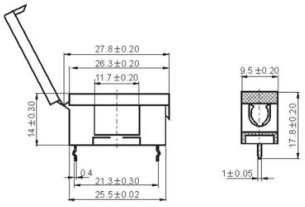




编号： 520 BLX-A

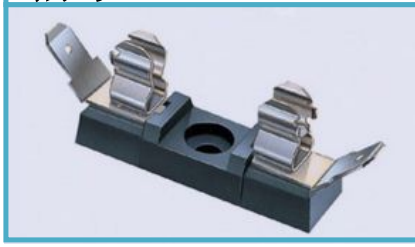
电流:5A 电压:250V

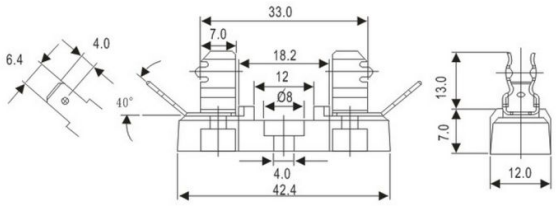




编号： SL 201

电流:20A 电压:250V



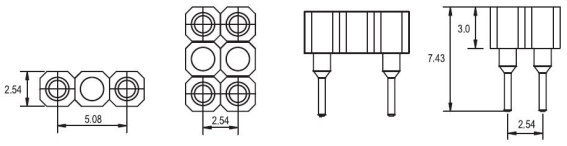


保险丝座
PCB Mount Fuse Holder

编号： 520 F808

电流:6.3A 电压:250V

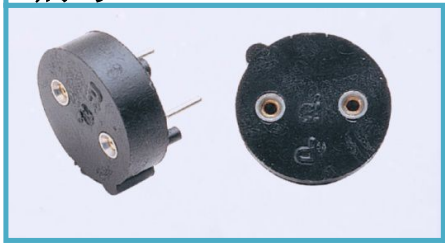
RoHS

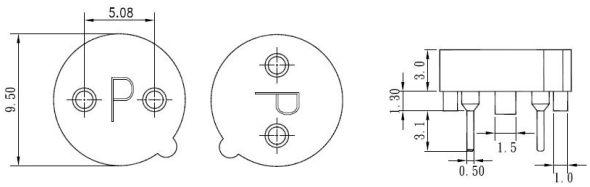


编号： 520 F848

电流:6.3A 电压:250V

RoHS

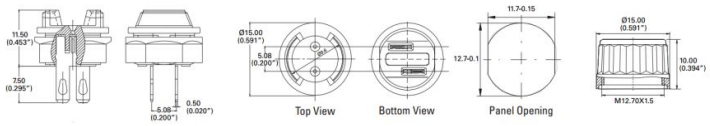




编号： 520 F570

电流:6.3A 电压:250V

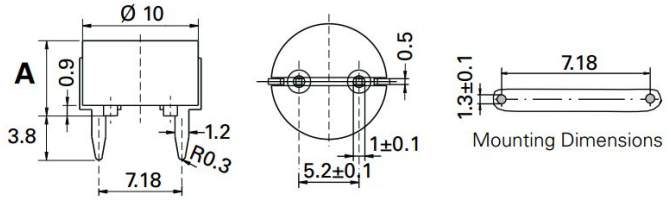
RoHS



编号： 520 F 557

电流:6.3A 电压:250V

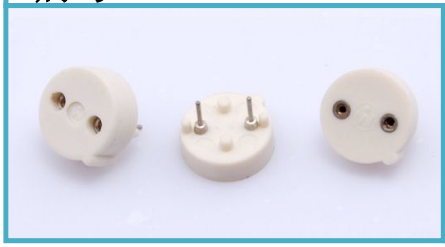
RoHS

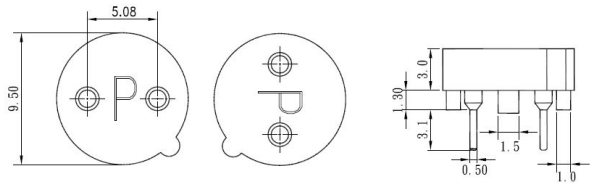


编号： 520 F560

电流:6.3A 电压:250V

RoHS

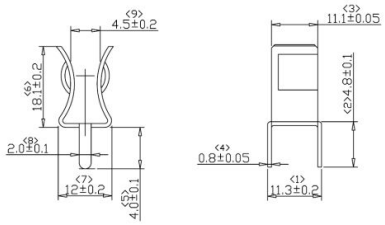




编号： SL1038

电流:30A 电压:250V

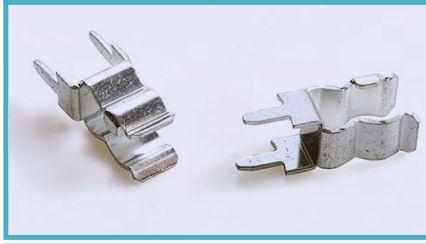
RoHS

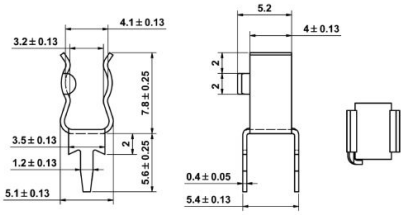


保险丝座
PCB Mount Fuse Holder

编号：SL520L

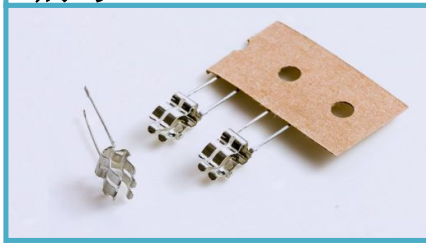
电流:20A 电压:250V RoHS

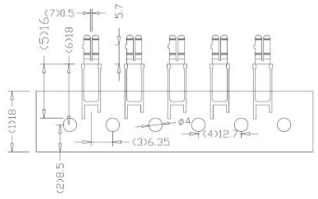




编号：SL520 G

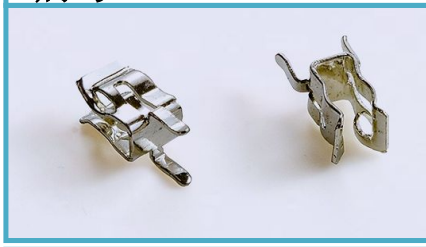
电流:10A 电压:250V RoHS

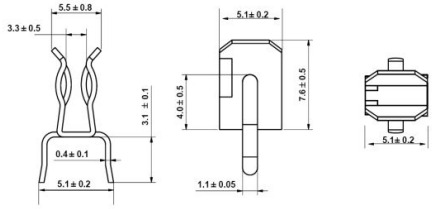




编号：SL520H

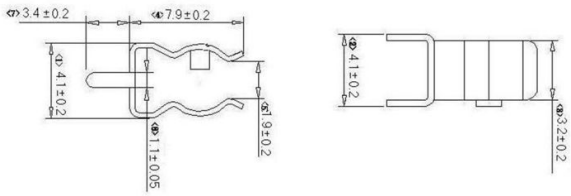
电流:10A 电压:250V RoHS





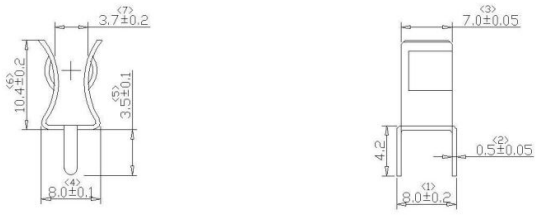
编号：SL520B

电流:10A 电压:250V RoHS



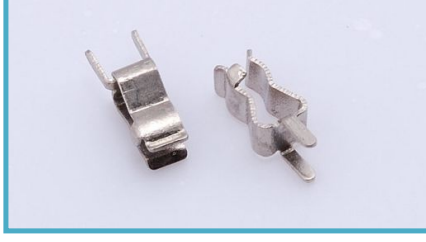
编号：SL520C

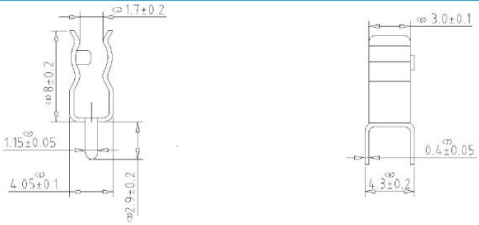
电流:10A 电压:250V RoHS



编号：SL310

电流:10A 电压:250V RoHS

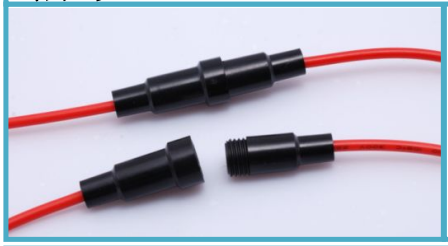


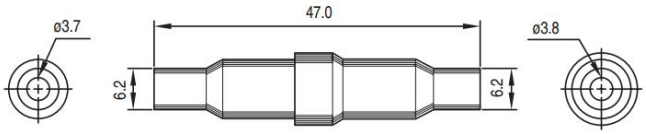


保险丝座
In-line Fuse Holder

编号： SL032

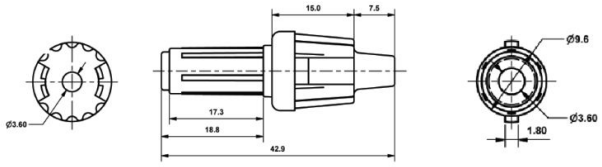
电流:10A 电压:250V





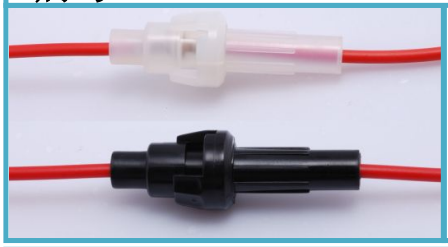
编号： SL048

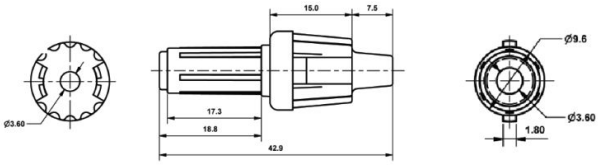
电流:10A 电压:250V



编号： SL047

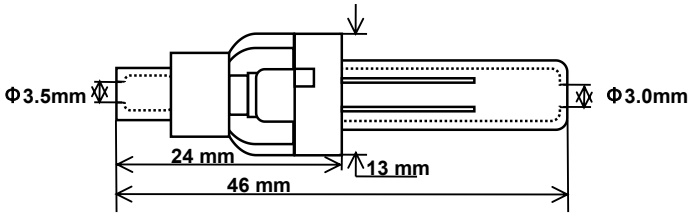
电流:10A 电压:250V





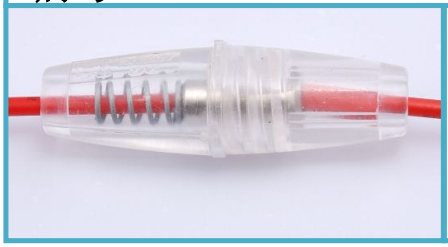
编号： SL046

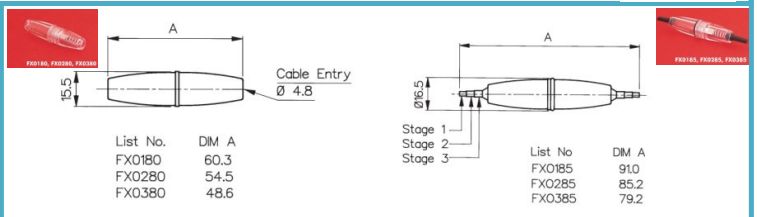
电流:10A 电压:250V



编号： FX0380

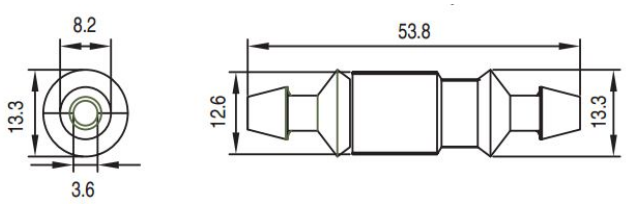
电流:10A 电压:250V





编号： SL712

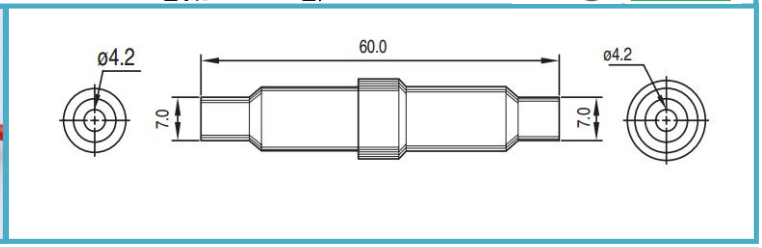
电流:10A 电压:250V



保险丝座
In-line Fuse Holder

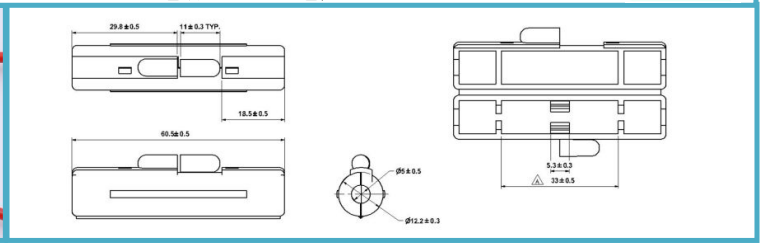
编号：SL705D

电流:10A 电压:250V RoHS



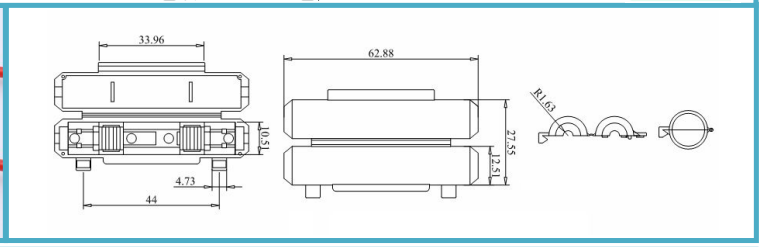
编号：SL701

电流:10A 电压:250V RoHS



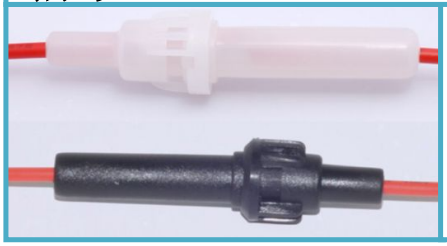
编号：SL701A

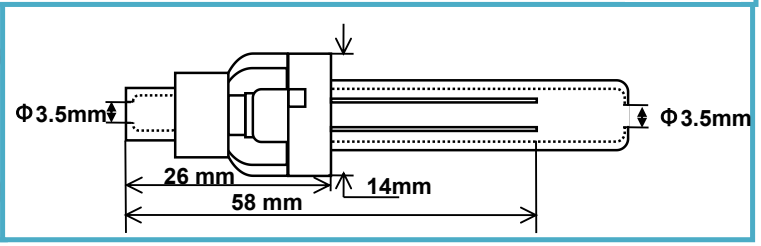
电流:10A 电压:250V RoHS



编号：SL702

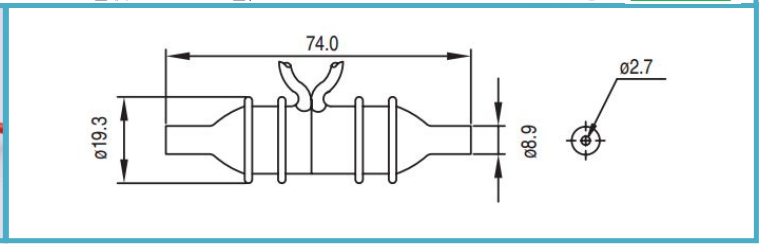
电流:10A 电压:250V RoHS





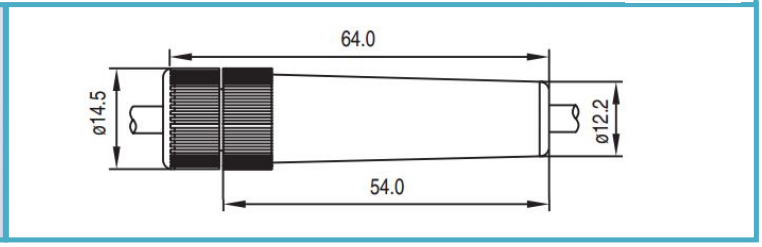
编号：SL711

电流:10A 电压:250V RoHS



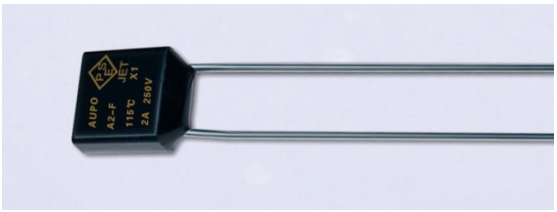
编号：SL705A

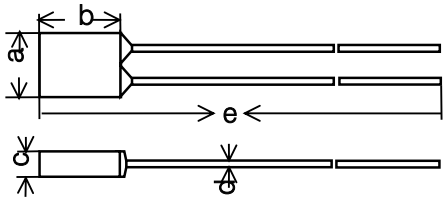
电流:10A 电压:250V RoHS



径向引线系列
Radial lead type

温度保险丝
Thermal cutoff Fuse





A-F系列	a	b	c	d	e
尺寸单位：MM	6.2±0.5	6.3±0.5	2.5±0.2	0.54±0.05	70±3

型号 Model No.	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification
A1-F	102℃	98±2℃	79℃	203℃	2A	250V	UL CSA VDE PSE CCC KTL ROHS
A2-F	115℃	112±3℃	92℃	203℃	2A	250V	
A3-F	125℃	120±3℃	101℃	203℃	2A	250V	
A4-F	130℃	126±2℃	107℃	203℃	2A	250V	
A5-F	135℃	131±3℃	112℃	203℃	2A	250V	
A7-F	138℃	135±2℃	115℃	203℃	2A	250V	
A8-F	150℃	145±3℃	126℃	203℃	2A	250V	

A-1A-F系列	a	b	c	d	e
尺寸单位：MM	5.2±0.5	4.0±0.5	2.3±0.2	0.54±0.05	70±3

型号 Model No.	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification
A1-1A-F	102℃	98±2℃	76℃	180℃	1A	250V	UL CSA VDE PSE CCC KTL ROHS
A2-1A-F	115℃	112±3℃	85℃	180℃	1A	250V	
A3-1A-F	125℃	120±3℃	97℃	180℃	1A	250V	

A-3A-F系列	a	b	c	d	e

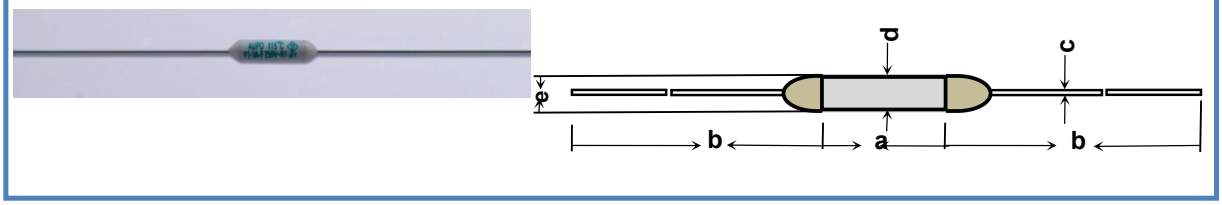
型号 Model No.	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification
A0-3A-F	84℃	82±2℃	40℃	180℃	3A	250V	
A1-3A-F	102℃	98±2℃	63℃	180℃	3A	250V	UL CSA VDE PSE CCC KTL ROHS
A2-3A-F	115℃	112±3℃	75℃	180℃	3A	250V	
A3-3A-F	125℃	120±3℃	85℃	180℃	3A	250V	
A4-3A-F	130℃	126±2℃	90℃	180℃	3A	250V	
A5-3A-F	135℃	131±3℃	90℃	180℃	3A	250V	
A7-3A-F	138℃	135±2℃	93℃	180℃	3A	250V	
A8-3A-F	150℃	145±3℃	105℃	180℃	3A	250V	

A-5A-F系列	a	b	c	d	e
尺寸单位：MM	6.6±0.5	8.0±0.5	2.6±0.2	0.6±0.05	70±3

型号 Model No.	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification
A0-5A-F	84℃	82±2℃	40℃	180℃	5A	250V	
A1-5A-F	102℃	98±2℃	63℃	180℃	5A	250V	UL CSA VDE PSE CCC KTL ROHS
A2-5A-F	115℃	112±3℃	75℃	180℃	5A	250V	
A3-5A-F	125℃	120±3℃	85℃	180℃	5A	250V	
A4-5A-F	130℃	126±2℃	90℃	180℃	5A	250V	
A5-5A-F	135℃	131±3℃	90℃	180℃	5A	250V	
A7-5A-F	138℃	135±2℃	93℃	180℃	5A	250V	
A8-5A-F	150℃	145±3℃	105℃	180℃	5A	250V	

轴向引线系列
Axial lead type

温度保险丝
Thermal cutoff Fuse



P-F系列	a	b	C	D	E
尺寸单位：MM	9.0±0.5	38±3	0.54±0.02	2.5±0.1	3.0 or below

型号 Model No.	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification
P2-F	115℃	112±3℃	85℃	180℃	2A	250V	UL CSA VDE PSE CCC KTL ROHS
P3-F	125℃	120±3℃	97℃	180℃	2A	250V	
P4-F	130℃	126±2℃	102℃	180℃	2A	250V	
P5-F	135℃	131±3℃	105℃	180℃	2A	250V	
P9-F	138℃	135±2℃	108℃	180℃	2A	250V	
P7-F	150℃	145±3℃	120℃	180℃	2A	250V	

P-1A-F系列	a	b	c	D	E
尺寸单位：MM	6.5±0.5	38±3	0.54±0.02	2.1±0.1	2.4 or below

型号 Model No.	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification
P2-1A-F	115℃	112±3℃	85℃	180℃	1A	250V	UL CSA VDE PSE CCC KTL ROHS
P3-1A-F	125℃	120±3℃	97℃	180℃	1A	250V	
P4-1A-F	130℃	126±2℃	102℃	180℃	1A	250V	
P5-1A-F	135℃	131±3℃	105℃	180℃	1A	250V	
P7-1A-F	138℃	135±2℃	108℃	180℃	1A	250V	
P8-1A-F	150℃	145±3℃	120℃	180℃	1A	250V	

P-3A-F系列	a	b	c	D	E
尺寸单位：MM	10.0±0.5	38±3	0.6±0.02	3.1±0.1	3.3 or below

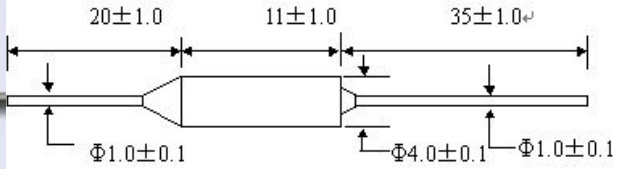
型号 Model No.	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification
P0-3A-F	84℃	82±2℃	55℃	180℃	3A	250V	
P2-3A-F	115℃	112±3℃	75℃	180℃	3A	250V	UL CSA VDE PSE CCC KTL ROHS
P3-3A-F	125℃	120±3℃	85℃	180℃	3A	250V	
P4-3A-F	130℃	126±2℃	90℃	180℃	3A	250V	
P5-3A-F	135℃	131±3℃	90℃	180℃	3A	250V	
P9-3A-F	138℃	135±2℃	95℃	180℃	3A	250V	
P7-3A-F	150℃	145±3℃	105℃	180℃	3A	250V	

P-5A-F系列	a	b	c	D	E
尺寸单位：MM	11.5±0.5	38±3	0.6±0.02	3.3±0.2	3.6 or below

型号 Model No.	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification
P0-5A-F	84℃	82±2℃	55℃	180℃	5A	250V	UL CSA VDE PSE CCC KTL ROHS
P2-5A-F	115℃	112±3℃	75℃	180℃	5A	250V	
P3-5A-F	125℃	120±3℃	85℃	180℃	5A	250V	
P4-5A-F	130℃	126±2℃	90℃	180℃	5A	250V	
P5-5A-F	135℃	131±3℃	90℃	180℃	5A	250V	
P9-5A-F	138℃	135±2℃	95℃	180℃	5A	250V	
P7-5A-F	150℃	145±3℃	105℃	180℃	5A	250V	

BF感温颗粒系列
BF*** type

温度保险丝
Thermal cutoff Fuse



型号 Model No.1	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification					
							UL	CUL	VDE	PSE	CCC	KTL
BF73	73℃	70±2℃	45℃	150℃	10A	250V	●	●	●	●	●	●
BF77	77℃	76+0/-4℃	51℃	150℃	10A	250V	●	●	●	●	●	●
BF84	84℃	82±2℃	58℃	150℃	10A	250V	●	●	●	●	●	●
BF94	94℃	91±3℃	66℃	150℃	10A	250V	●	●	●	●	●	●
BF99	99℃	96±2℃	71℃	150℃	10A	250V	●	●	●	●	●	●
BF104	104℃	100±2℃	79℃	150℃	10A	250V	●	●	●	●	●	●
BF113	113℃	109+3/-1℃	84℃	150℃	10A	250V	●	●	●	●	●	●
BF117	117℃	115±2℃	92℃	160℃	10A	250V	●	●	●	●	●	●
BF121	121℃	119+2/-3℃	94℃	160℃	10A	250V	●	●	●	●	●	●
BF133	133℃	129±2℃	104℃	160℃	10A	250V	●	●	●	●	●	●
BF142	142℃	139+2/-3℃	114℃	160℃	10A	250V	●	●	●	●	●	●
BF157	157℃	152±2℃	127℃	172℃	10A	250V	●	●	●	●	●	●
BF172	172℃	169+3/-1℃	144℃	189℃	10A	250V	●	●	●	●	●	●
BF184	184℃	182+1/-3℃	159℃	210℃	10A	250V	●	●	●	●	●	●
BF192	192℃	188±3℃	170℃	250℃	10A	250V	●	●	●	●	●	●
BF216	216℃	214+2/-3℃	191℃	380℃	10A	250V	●	●	●	●	●	●
BF229	229℃	226+3/-2℃	200℃	380℃	10A	250V	●	●	●	●	●	●
BF240	240℃	235±3℃	200℃	300℃	10A	250V	●	●	●	●	●	●

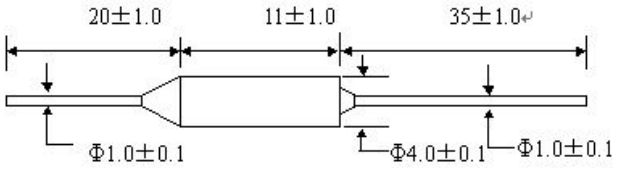
Terms Explaination

Rated function temperature(Tf)：	The temperature at which an electrical or mechanical device operates。 According to IEC6091 safety stipulation, thermal fuse must operate at TF +0/-10℃。 (DENAN Law regulates the tolerance range ±7℃)
Measured function temperature：	The blowing temperature of the fuse measured in the condition that current is below 10mA and its temperature rises at the rate of 0.5-1℃ per minute in a silicon oil bath.
Holding temperature(Th)：	The maximum temperature at which its conduction state would not change when the fuse is loaded with rated current for 168 hours.
Maximum temperature(Tm)：	The maximum temperature at which the fuse would not reconnect within 10 minutes.
Rated current(Ir)：	The maximum current the fuse can bear.
Rated voltage(Ur)：	The maxmum working voltage of the fuse.

BF感温颗粒系列
BF***X type

温度保险丝
Thermal cutoff Fuse

VDE | CCC | ROHS



型号 Model No.1	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification		
							VDE	CCC	ROHS
BF73X	73℃	70±2℃	45℃	150℃	16A	250V	●	●	●
BF77X	77℃	76+0/-4℃	51℃	150℃	16A	250V	●	●	●
BF84X	84℃	82±2℃	58℃	150℃	16A	250V	●	●	●
BF94X	94℃	91±3℃	66℃	150℃	16A	250V	●	●	●
BF99X	99℃	96±2℃	71℃	150℃	16A	250V	●	●	●
BF104X	104℃	100±2℃	79℃	150℃	16A	250V	●	●	●
BF113X	113℃	109+3/-1℃	84℃	150℃	16A	250V	●	●	●
BF117X	117℃	115±2℃	92℃	160℃	16A	250V	●	●	●
BF121X	121℃	119+2/-3℃	94℃	160℃	16A	250V	●	●	●
BF133X	133℃	129±2℃	104℃	160℃	16A	250V	●	●	●
BF142X	142℃	139+2/-3℃	114℃	160℃	16A	250V	●	●	●
BF157X	157℃	152±2℃	127℃	172℃	16A	250V	●	●	●
BF172X	172℃	169+3/-1℃	144℃	189℃	16A	250V	●	●	●
BF184X	184℃	182+1/-3℃	159℃	210℃	16A	250V	●	●	●
BF192X	192℃	188±3℃	170℃	250℃	16A	250V	●	●	●
BF216X	216℃	214+2/-3℃	191℃	380℃	16A	250V	●	●	●
BF229X	229℃	226+3-/2℃	200℃	380℃	16A	250V	●	●	●
BF240X	240℃	235±3℃	200℃	300℃	16A	250V	●	●	●

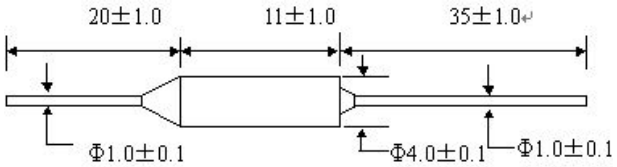
Terms Explaination

Rated function temperature(Tf)：	The temperature at which an electrical or mechanical device operates。 According to IEC6091 safety stipulation, thermal fuse must operate at TF +0/-10℃。 (DENAN Law regulates the tolerance range ±7℃)
Measured function temperature：	The blowing temperature of the fuse measured in the condition that current is below 10mA and its temperature rises at the rate of 0.5-1℃ per minute in a silicon oil bath.
Holding temperature(Th)：	The maximum temperature at which its conduction state would not change when the fuse is loaded with rated current for 168 hours.
Maximum temperature(Tm)：	The maximum temperature at which the fuse would not reconnect within 10 minutes.
Rated current(Ir)：	The maximum current the fuse can bear.
Rated voltage(Ur)：	The maxmum working voltage of the fuse.

BF感温颗粒系列
BF***-I type

温度保险丝
Thermal cutoff Fuse

UL | cUL | PSE | ROHS



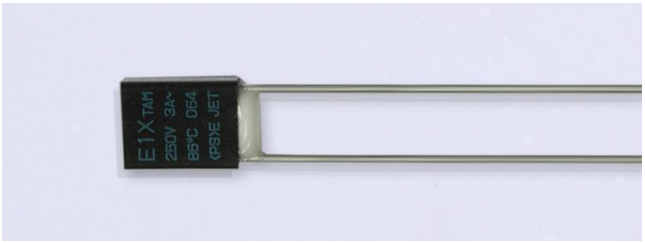
型号 Model No.1	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification			
							UL	CUL	PSE	ROHS
BF73-I	73℃	70±2℃	45℃	150℃	16A	125V	●	●	●	●
BF77-I	77℃	76+0/-4℃	51℃	150℃	16A	125V	●	●	●	●
BF84-I	84℃	82±2℃	58℃	150℃	16A	125V	●	●	●	●
BF94-I	94℃	91±3℃	66℃	150℃	16A	125V	●	●	●	●
BF99-I	99℃	96±2℃	71℃	150℃	16A	125V	●	●	●	●
BF104-I	104℃	100±2℃	79℃	150℃	16A	125V	●	●	●	●
BF113-I	113℃	109+3/-1℃	84℃	150℃	16A	125V	●	●	●	●
BF117-I	117℃	115±2℃	92℃	160℃	16A	125V	●	●	●	●
BF121-I	121℃	119+2/-3℃	94℃	160℃	16A	125V	●	●	●	●
BF133-I	133℃	129±2℃	104℃	160℃	16A	125V	●	●	●	●
BF142-I	142℃	139+2/-3℃	114℃	160℃	16A	125V	●	●	●	●
BF157-I	157℃	152±2℃	127℃	172℃	16A	125V	●	●	●	●
BF172-I	172℃	169+3/-1℃	144℃	189℃	16A	125V	●	●	●	●
BF184-I	184℃	182+1/-3℃	159℃	210℃	16A	125V	●	●	●	●
BF192-I	192℃	188±3℃	170℃	250℃	16A	125V	●	●	●	●
BF216-I	216℃	214+2/-3℃	191℃	380℃	16A	125V	●	●	●	●
BF229-I	229℃	226+3-/2℃	200℃	380℃	16A	125V	●	●	●	●
BF240-I	240℃	235±3℃	200℃	300℃	16A	125V	●	●	●	●

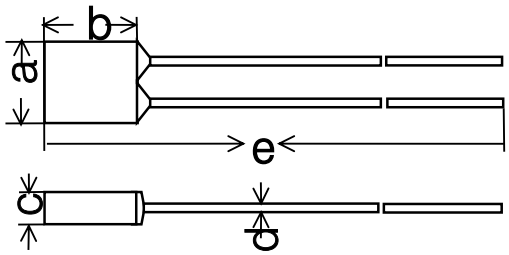
Terms Explaination

Rated function temperature(Tf)：	The temperature at which an electrical or mechanical device operates。 According to IEC6091 safety stipulation, thermal fuse must operate at TF +0/-10℃。 (DENAN Law regulates the tolerance range ±7℃)
Measured function temperature：	The blowing temperature of the fuse measured in the condition that current is below 10mA and its temperature rises at the rate of 0.5-1℃ per minute in a silicon oil bath.
Holding temperature(Th)：	The maximum temperature at which its conduction state would not change when the fuse is loaded with rated current for 168 hours.
Maximum temperature(Tm)：	The maximum temperature at which the fuse would not reconnect within 10 minutes.
Rated current(Ir)：	The maximum current the fuse can bear.
Rated voltage(Ur)：	The maxmum working voltage of the fuse.

径向引线系列
Radial lead type

田村温度保险丝
TAMURA Thermal cutoff Fuse



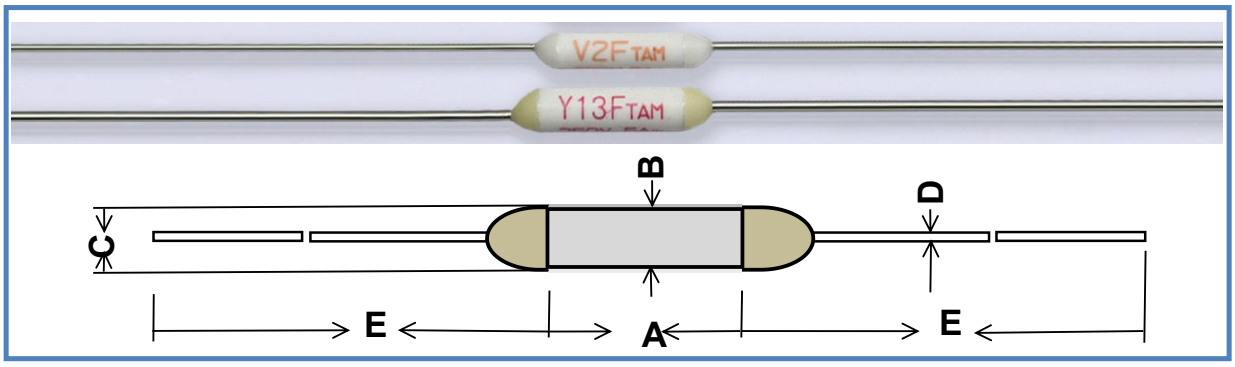


型号：	a	b	c	d	e	尺寸单位
N-F	5.2±0.1	4.1±0.1	2.0±0.1	0.53±0.5	36±3.0（NF） 68±3.0（NF-L）	MM
H-F	6.7±0.1	5.9±0.1	2.5±0.1	0.55±0.05	36±3.0（HF） 68±3.0（HF-L）	
E-F	6.6±0.1	8.5±0.1	2.5±0.1	0.7±0.05	36±3.0（EF） 68±3.0（EF-L）	

额定温度 TF	实际动作温度 Fuse temperature	N-F		电压 V	电流 A	H-F		电压 V	电流 A	E-F		电压 V	电流 A
65℃	61±3℃	N06F	AC	250V	1A	H06F	AC	250V	2.5A	E06F	AC	250V	3A
76℃	72±3℃	N0F	AC	250V	1A	H0F	AC	250V	2.5A	E0F	AC	250V	3A
				125	1.5A			125V	3A			125V	4A
			DC	50	2.5A								
86℃	81±2℃	N1F	AC	250V	1A	H1F	AC	250V	2.5A	E1F	AC	250V	3A
				125	2.0A			125V	3A			125V	4A
			DC	50	2.5A								
102℃	98±3℃	N2F	AC	250V	1A	H2F	AC	250V	3A	E2F	AC	250V	3A
				125	2.5A			125	3.5A			125	5.5A
			DC	50	3A		DC	50	4A		DC	50	6A
115℃	111±2℃	N3F	AC	250V	1A	H3F	AC	250V	3A	E3F	AC	250V	3A
				125	2.5A			125	3.5A			125	5.5A
			DC	50	3A		DC	50	4A		DC	50	6A
127℃	123±2℃	N4F	AC	250V	1A	H4F	AC	250V	3A	E4F	AC	250V	3A
				125	2.5A			125	3.5A			125	5.5A
			DC	50	3A		DC	50	4A		DC	50	6A
133℃	129±3℃	N13F	AC	250V	1A	H13F	AC	250V	3A	E13F	AC	250V	3A
				125	2.5A			125	3.5A			125	5.5A
			DC	50	4A		DC	50	4A		DC	50	6A
136℃	131±2℃	N5F	AC	250V	1A	H5F	AC	250V	3A	E5F	AC	250V	3A
				125	2.5A			125	3.5A			125	5.5A
			DC	50	3A		DC	50	4A		DC	50	6A
139℃	134±2℃	N6F	AC	250V	1A	H6F	AC	250V	2.5A	E6F	AC	250V	3A
				125	2.5A			125	3.5A			125	5.5A
			DC	50	3A		DC	50	4A		DC	50	6A
145℃	140±2℃	K7F	AC	250V	1A	H7F	AC	250V	2A	E7F	AC	250V	3A
				125	2.5A			125	3.5A			125	5.5A
			DC	50	3A		DC	50	4A		DC	50	6A

轴向引线系列
Axial lead type

田村温度保险丝
TAMURA Thermal cutoff Fuses

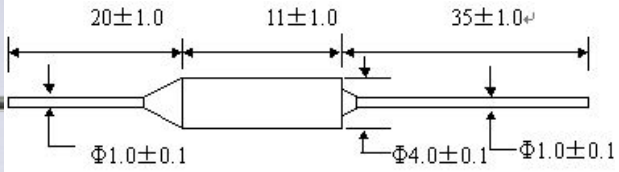


型号：	A	B	C	D	E	尺寸单位
K-F	6.0±0.3	1.5±0.1	1.8 and under	0.53±0.05	68±3.0（KF） 38±3.0（KF-C）	MM
T-F	6.3±0.3	2.0±0.1	2.3 and under	0.53±0.05	68±3.0（TF） 38±3.0（TF-C）	
V-F	8.9±0.3	2.5±0.1	3.0 and under	0.58±0.05	68±3.0（VF） 38±3.0（VF-C）	
Y-F	10.0±0.3	3.0±0.2	3.3 and under	0.70±0.05	68±3.0（YF） 38±3.0（YF-C）	
L-F	11.5±0.7	3.3±0.2	3.6 and under	1.0±0.05	68±3.0（LF） 38±3.0（LF-C）	

额定温度 TF	实际动作温度 Fuse temperature	K-F		电压 V	电流 A	T-F		电压 V	电流 A	V-F		电压 V	电流 A	Y-F		电压 V	电流 A	L-F		电压 V	电流 A
65℃	61±3℃	K06F	AC	250	1.0	T06F	AC	250	1.0	V06F	AC	250	3.0	Y06F	AC	250	4.0	L06F	AC	250	4.0
76℃	72±3℃	K0F	AC	250	1.0	T0F	AC	250	1.0	V0F	AC	250	2.0	Y0F	AC	250	4.0				
				125	1.5											125	5.5				
			DC	50	2.0			125	2.0			125	3.5		DC	50	6.0				
86℃	81±2℃	K1F	AC	250	1.0	T1F	AC	250	1.0	V1F		250	2.0	Y1F	AC	250	5.0				
				125	1.5											125	5.5				
			DC	50	2.0			125	2.0			125	3.5		DC	50	6.5				
102℃	98±3℃	K2F	AC	250	1.0	T2F	AC	250	2.0	V2F	AC	250	3.0	Y2F	AC	250	5.0	L2F	AC	250	5.0
				125	2.0			125	3.0			125	4.0			125	5.5				
			DC	50	3.0		DC	50	4.0		DC	50	5.0		DC	50	6.0			125	7.0
115℃	111±2℃	K3F	AC	250	1.0	T3F	AC	250	2.0	V3F	AC	250	3.0	Y3F	AC	250	5.0	L3F	AC	250	5.0
				125	2.0			125	3.0			125	4.0			125	5.5			125	7.0
			DC	50	3.0		DC	50	3.5		DC	50	4.5		DC	50	6.0		DC	50	8.0
127℃	123±2℃	K4F	AC	250	1.0	T4F	AC	250	2.0	V4F	AC	250	3.0	Y4F	AC	250	5.0	L4F	AC	250	5.0
				125	2.0			125	3.0			125	4.0			125	5.5				
			DC	50	3.0		DC	50	4.0		DC	50	5.0		DC	50	6.0			125	7.0
133℃	129±3℃	K13F	AC	250	1.0	T13F	AC	250	2.0	V13F	AC	250	3.0	Y13F	AC	250	5.0	L13F	AC	250	5.0
				125	2.0			125	3.0			125	4.0			125	5.5				
			DC	50	3.0		DC	50	4.0		DC	50	5.0		DC	50	6.0			125	7.0
136℃	131±2℃	K5F	AC	250	1.0	T5F	AC	250	2.0	V5F	AC	250	3.0	Y5F	AC	250	5.0	L5F	AC	250	5.0
				125	2.0			125	3.0			125	4.0			125	5.5				
			DC	50	3.0		DC	50	4.0		DC	50	5.0		DC	50	6.0			125	7.0

轴向 径向导线型
LEseries

田村温度保险丝
TAMURA Thermal cutoff Fuses



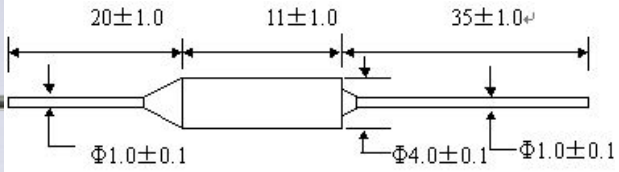
型号 Model No.1	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification						
							UL	VDE	BEAB	PSE	CCC	KTL	ROHS
LE070	73℃	71±2℃	50℃	150℃	15A	250V	●	●	●	●	●	●	●
LE073	77℃	74±2℃	50℃	150℃	15A	250V	●	●	●	●	●	●	●
LE080	84℃	80±2℃	50℃	150℃	15A	250V	●	●	●	●	●	●	●
LE0090	94℃	91±3℃	65℃	150℃	15A	250V	●	●	●	●	●	●	●
LE095	99℃	95±2℃	71℃	150℃	15A	250V	●	●	●	●	●	●	●
LE108	113℃	109±2℃	85℃	150℃	15A	250V	●	●	●	●	●	●	●
LE117	121℃	117±3℃	95℃	160℃	15A	250V	●	●	●	●	●	●	●
LE124	128℃	124±3℃	102℃	160℃	15A	250V	●	●	●	●	●	●	●
LE128	133℃	129+3-2℃	105℃	160℃	15A	250V	●	●	●	●	●	●	●
LE138	157℃	138±2℃	110℃	172℃	15A	250V	●	●	●	●	●	●	●
LE152	172℃	152+3-1℃	130℃	189℃	15A	250V	●	●	●	●	●	●	●
LE169	184℃	167+1-3℃	145℃	210℃	15A	250V	●	●	●	●	●	●	●
LE189	192℃	189±3℃	165℃	250℃	15A	250V	●	●	●	●	●	●	●
LE213	216℃	213±2℃	190℃	380℃	15A	250V	●	●	●	●	●	●	●

Terms Explaination

Rated function temperature(Tf)：	The temperature at which an electrical or mechanical device operates。 According to IEC6091 safety stipulation, thermal fuse must operate at TF +0/-10℃。 (DENAN Law regulates the tolerance range ±7℃)
Measured function temperature：	The blowing temperature of the fuse measured in the condition that current is below 10mA and its temperature rises at the rate of 0.5-1℃ per minute in a silicon oil bath.
Holding temperature(Th)：	The maximum temperature at which its conduction state would not change when the fuse is loaded with rated current for 168 hours.
Maximum temperature(Tm)：	The maximum temperature at which the fuse would not reconnect within 10 minutes.
Rated current(Ir)：	The maximum current the fuse can bear.
Rated voltage(Ur)：	The maxmum working voltage of the fuse.

轴向引线型
LE series

田村温度保险丝
TAMURA Thermal cutoff Fuse



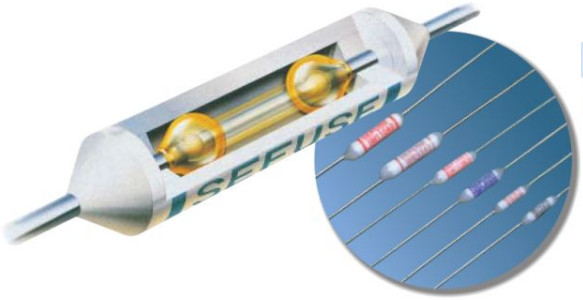
型号 Model No.1	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification						
							UL	VDE	BEAB	PSE	CCC	KTL	ROHS
LE070T	73℃	71±2℃	50℃	150℃	10A	250V	●	●	●	●	●	●	●
LE073T	77℃	74±2℃	50℃	150℃	10A	250V	●	●	●	●	●	●	●
LE080T	84℃	80±2℃	50℃	150℃	10A	250V	●	●	●	●	●	●	●
LE0090T	94℃	91±3℃	65℃	150℃	10A	250V	●	●	●	●	●	●	●
LE095T	99℃	95±2℃	71℃	150℃	10A	250V	●	●	●	●	●	●	●
LE108T	113℃	109±2℃	85℃	150℃	10A	250V	●	●	●	●	●	●	●
LE117T	121℃	117±3℃	95℃	160℃	10A	250V	●	●	●	●	●	●	●
LE124T	128℃	124±3℃	102℃	160℃	10A	250V	●	●	●	●	●	●	●
LE128T	133℃	129+3-2℃	105℃	160℃	10A	250V	●	●	●	●	●	●	●
LE138T	157℃	138±2℃	110℃	172℃	10A	250V	●	●	●	●	●	●	●
LE152T	172℃	152+3-1℃	130℃	189℃	10A	250V	●	●	●	●	●	●	●
LE169T	184℃	167+1-3℃	145℃	210℃	10A	250V	●	●	●	●	●	●	●
LE189T	192℃	189±3℃	165℃	250℃	10A	250V	●	●	●	●	●	●	●
LE213T	216℃	213±2℃	190℃	380℃	10A	250V	●	●	●	●	●	●	●

Terms Explaination

Rated function temperature(Tf)：	The temperature at which an electrical or mechanical device operates。 According to IEC6091 safety stipulation, thermal fuse must operate at TF +0/-10℃。 (DENAN Law regulates the tolerance range ±7℃)
Measured function temperature：	The blowing temperature of the fuse measured in the condition that current is below 10mA and its temperature rises at the rate of 0.5-1℃ per minute in a silicon oil bath.
Holding temperature(Th)：	The maximum temperature at which its conduction state would not change when the fuse is loaded with rated current for 168 hours.
Maximum temperature(Tm)：	The maximum temperature at which the fuse would not reconnect within 10 minutes.
Rated current(Ir)：	The maximum current the fuse can bear.
Rated voltage(Ur)：	The maxmum working voltage of the fuse.

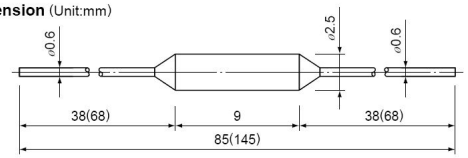
SM系列
SM 2A 250V Series

温度保险丝
Thermal cutoff Fuse



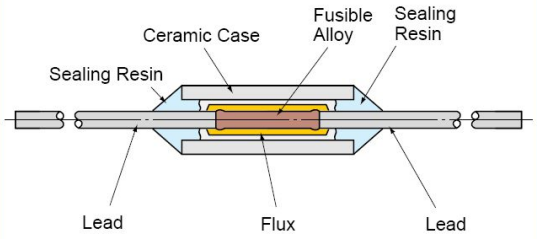
SM/A Series

■ **Dimension** (Unit:mm)



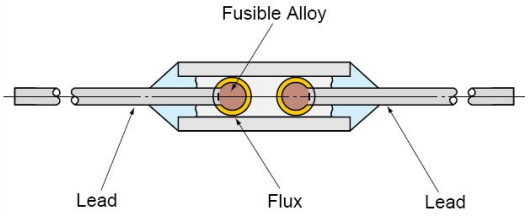
The SM type uses a fusible alloy inside a ceramic case. It has a cutoff(rated) current of 2 A. Because of its insulated case, the SM type can be attached directly where temperature detection is required.

Before Operation



In the SM type, leads are connected by a fusible alloy. The current flows directly from one lead to the other. The fusible alloy is coated with a special flux.

After Operation



When ambient temperature rises to the SEFUSE operating temperature, the fusible alloy melts and condenses into a drop around the end of each lead because of surface tension and the coating of special flux. The electrical circuit then opens.

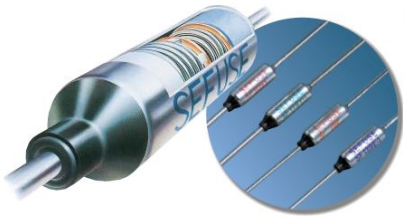
■ **Ratings**

1) Part Number	Rated Functioning Temperature TF•Tf (°C)	Operating Temperature (°C)	TH Th (°C)	TM Tm (°C)	Rated Current	Rated Voltage	U L	CSA	VDE	BEAB	CCIB	CCEE	
SM072A0	76	72 ± 3/2	46	100	2 A (Resistive)	AC250V	2) E71747	172780 (LR52330) 3)	File No. 6778.2 -1171 -0001	C1054	2001 LV2618	CH 0045038 -2000	33-528
SM095A0	100	95 ± 5/0	65	115									33-466
SM110A0	115	110 ± 2	80	125									33-472
SM126A0	131	126 ± 2	96	140									33-467
SM130A0	135	130 ± 2	100	145									
SM134A0	139	134 ± 2	—	—									
SM145A0	150	145 ± 2	115	160					Licence No. 117275				33-468
SM164A0	169	164 ± 3/2	133	180									33-470
SM182A0	187	182 ± 2	152	195									33-556

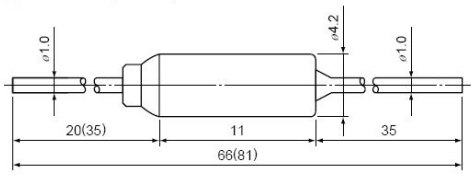
Note: 1) Part numbers are for standard devices. For long leads, change the last number from 0 to 1.
2) SM072A has C-UL recognition.
3) The number in parentheses are provious number. Both number can be inquired.

SF有机物系列
SF10A 250V Series

温度保险丝
Thermal cutoff Fuse



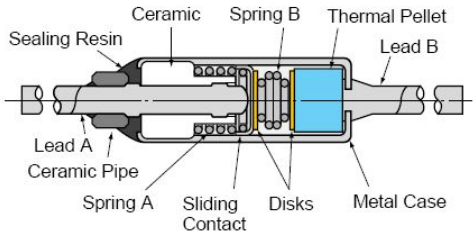
Dimension (Unit:mm)



Note: The dimensions for long lead devices are in parentheses.

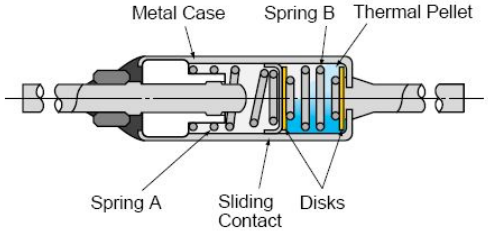
The SF type uses an organic thermosensitive pellet inside a metal case. It features alarge cutoff(rated) current of 10 A or 15 A.

Before Operation



The SF type contains a sliding contact, springs, and a thermal pellet inside a metal case. When spring B is compressed, firm contact between lead A and the sliding contact occurs. At normal temperatures, current flows from lead A to the sliding contact and then through the metal case to lead B.

After Operation



When the ambient temperature rises to the SEFUSE operating temperature, the heat transferred through the metal case melts the thermal pellet. When the thermal pellet melts, springs A and B expand, moving the sliding contact away from lead A. The electrical circuit is opened by breaking contact between the sliding contact and lead A.

Ratings

1) Part Number	Rated Functioning Temperature T_F•Tf (°C)	Operating Temperature (°C)	TH Th (°C)	TM Tm (°C)	Rated Current	Rated Voltage	U L	CSA	VDE	BEAB	CCIB	CCEE	Made in Japan	Made in Thailand
SF 70E	73	70 ± 2	45	150	4) 15A / 10A (Resistive)	4) AC250V	E71747	6) 172780 (LR52330)	File No. 6778.2 -1171 -0002	C1060	Made in Japan 2001 LV2618	Made in Japan CH 0045037 -2000	33-312	33-835
SF 76E	77	76 ± 4	51	150										
SF 91E	94	91 ± 1	66	150									33-331	33-834
SF 96E	99	96 ± 2	71	150										
SF109E	113	109 ± 1	84	150									33-332	33-833
SF119E	121	119 ± 2	94	150									33-333	33-832
SF129E	133	129 ± 2	104	159										
SF139E	142	139 ± 2	114	159									33-334	33-831
SF152E	157	152 ± 2	127	172										
SF169E	172	169 ± 1	144	189			5)		Licence No. Made in Japan 081640 Made in Thailand 097299		Made in Thailand 2001 LV2561	Made in Thailand CH 0045041 -2000	33-335	33-830
SF188E	192	188 ± 1	164	300									33-336	33-886
SF214E	216	214 ± 1	200 2)	350									33-549	33-827
SF226E	227	226 ± 1	200 2)	300 3)									33-354	33-828
SF240E	240	237 ± 2	200 2)	350										

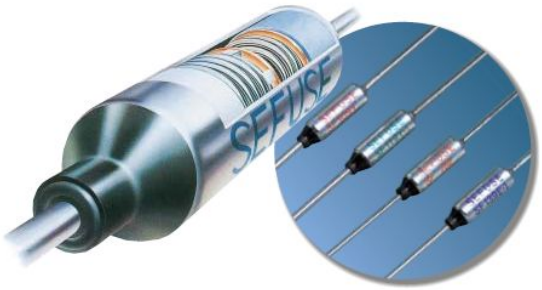
Note: 1) Part numbers are for standard lead devices. For long leads, add the number "-1" at the end of part number.
2) Th approved by BEAB is 189 °C for SF214E and 190 °C for SF226E and SF240E.
3) TM approved by UL is 240 °C. Tm approved by CSA is 330 °C.
4) The electrical ratings by safety standards are as follows.

Rated Voltage	Japan	UL	CSA	VDE	BEAB	CCIB	CCEE
AC120V		15A (Inductive) 20A (Resistive)					
AC240V		15A (Resistive)					
AC250V	10A	10A (Resistive)	15A (Inductive) (Resistive)	10A	10A	10A	10A
		15A (Resistive)					
		17A (Resistive)					
AC277V		15A (Resistive)					

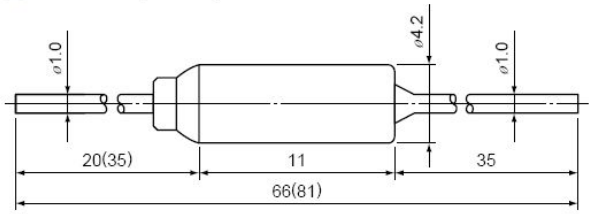
5) SF169E, SF188E, SF214E, SF226E and SF240E has a recognition of CH rating by UL.
6) The number in parentheses are provious number. Both number can be inquired.

SF有机物系列
SF15A 250V type

温度保险丝
Thermal cutoff Fuse



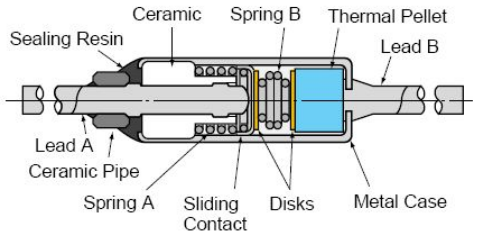
Dimension (Unit:mm)



Note: The dimensions for long lead devices are in parentheses.

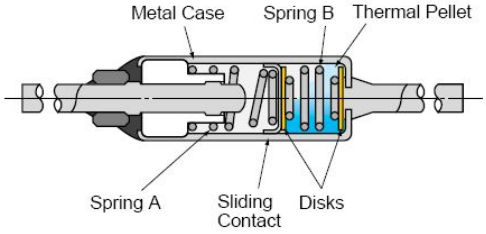
The SF type uses an organic thermosensitive pellet inside a metal case. It features alarge cutoff(rated) current of 15 A 250VAC

Before Operation



The SF type contains a sliding contact, springs, and a thermal pellet inside a metal case. When spring B is compressed, firm contact between lead A and the sliding contact occurs. At normal temperatures, current flows from lead A to the sliding contact and then through the metal case to lead B.

After Operation



When the ambient temperature rises to the SEFUSE operating temperature, the heat transferred through the metal case melts the thermal pellet. When the thermal pellet melts, springs A and B expand, moving the sliding contact away from lead A. The electrical circuit is opened by breaking contact between the sliding contact and lead A.

Ratings

Part Number 1)	Rated Functioning Temperature	Operating Temperature	Rated Current	Rated Voltage		U L
SF 70Y	73°C	70 ± 2°C	15A	AC250V	33-312	
SF 76Y	77°C	76 ± 2°C				
SF 91Y	94°C	91 ± 3°C			33-331	
SF 96Y	99°C	96 ± 2°C				
SF109Y	113°C	109 ± 3°C			33-332	E71747
SF119Y	121°C	119 ± 2°C			33-333	
SF129Y	133°C	129 ± 2°C				
SF139Y	142°C	139 ± 2°C			33-334	
SF152Y	157°C	152 ± 2°C				E71747
SF169Y	172°C	169 ± 3°C			33-335	
SF188Y	192°C	188 ± 3°C			33-336	
SF214Y	216°C	214 ± 3°C			33-549	
SF226Y	227°C	226 ± 3°C			33-354	
SF240Y	240°C	237 ± 2°C				

Note: 1) Part numbers are for standard lead devices. For long leads, add the number "-1" at the end of part number.

- All the parts and materials don't contain lead (Pb).
- Cadmium free contact types are available. Please contact us.

It protects against overheating in:

- Shaded Pole Motor
- Permanent split capacitor motor
- Fluorescent lighting ballasts
- HID ballasts
- Transformers
- Recessed lighting fixtures
- Battery packs
- Vacuum cleaners
- Automotive accessory motors, solenoids, PC boards

The 17AM Thermal protector uses

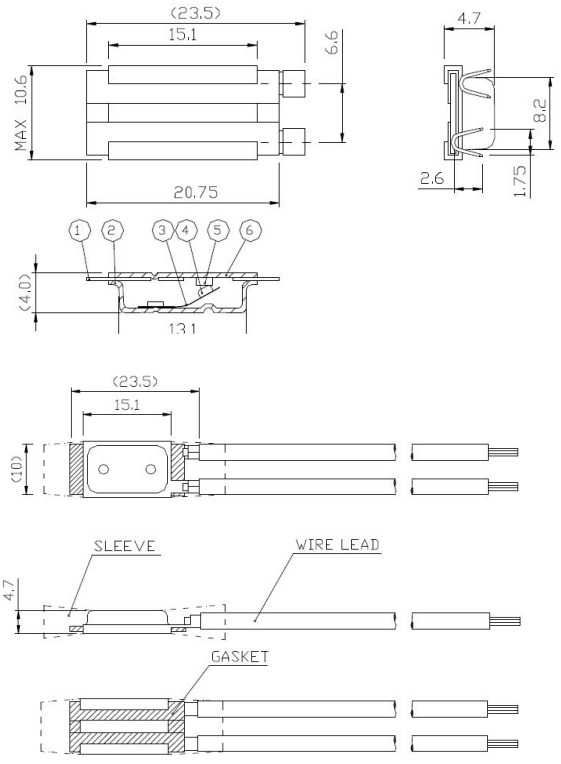
the same snap-action principle of other KLIXON protectors. The bimetal disc senses both heat and current from the equipment which 17AM is installed on. When the temperature of the disc reaches a predetermined calibration point, the disc snaps open the contacts, thus breaking the current path. When the equipment returns to a normal operating range, the 17AM resets (close circuit) automatically.

Certificates

UL CSA VDE CE CQC RoHS

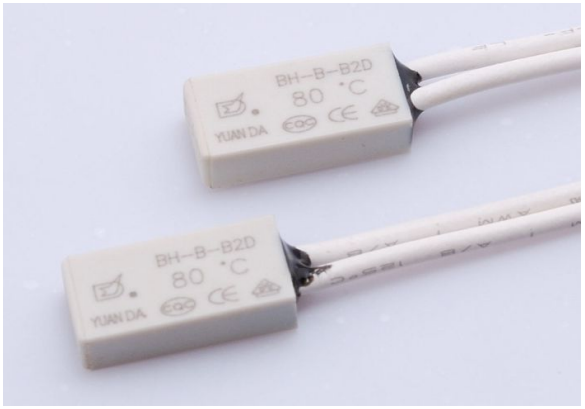
Nominal Parameter

22 A / 115 V--- AC
9 A / 250 V--- AC
20 A / 16 V--- DC
Temperature Range
65 ℃~ 150 ℃, ±5℃ (in the increments of 5℃)
Life cycles：10,000 (10000 automatic resets)



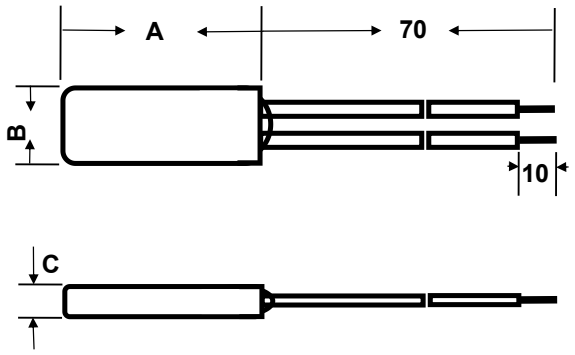
Category	UL	ENEC	CQC
Motor Protector	E15962	2014531.05	CQC0200 2001332
Ballast for Fluorescent and Thermal Cut Out	E34618	2014531.05	-
Temperature Sensing Controls	E34618	2014531.05	-

Part No.	Tripping Temperature
17AM 020	65℃±5℃
17AM 021	70℃±5℃
17AM 022	75℃±5℃
17AM 023	80℃±5℃
17AM 024	85℃±5℃
17AM 025	90℃±5℃
17AM 026	95℃±5℃
17AM 027	100℃±5℃
17AM 028	105℃±5℃
17AM 029	110℃±5℃
17AM 030	115℃±5℃
17AM 031	120℃±5℃
17AM 032	125℃±5℃
17AM 033	130℃±5℃
17AM 034	135℃±5℃
17AM 035	140℃±5℃
17AM 036	145℃±5℃
17AM 037	150℃±5℃
17AM 038	155℃±5℃
17AM 039	160℃±5℃



BH thermal protector applies to:
fan motors
transformers
fluorescent lamp ballast
batteries
electronics and electrical equipments
household and similar equipments

BH Nominal Parameter
Ir/Ur: 6A250V~; 8A125V~
Temperature range
45℃~150℃, in the increments of 5℃
Max temperature:150℃
Life cycles: 10,000 (10000 automatic resets)

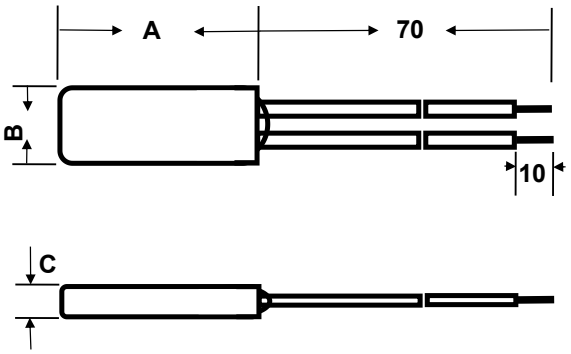


Type	A	B	C
A metal case	15±0.3	6.6±0.2	3.2±0.1
B plastic case	15±0.3	7.3±0.2	3.9±0.1

Part No.	Tripping Temperature
045	45℃±5℃
050	50℃±5℃
055	55℃±5℃
060	60℃±5℃
065	65℃±5℃
070	70℃±5℃
075	75℃±5℃
080	80℃±5℃
085	85℃±5℃
090	90℃±5℃
095	95℃±5℃
100	100℃±5℃
105	105℃±5℃
110	110℃±5℃
115	115℃±5℃
120	120℃±5℃
125	125℃±5℃
130	130℃±5℃
135	135℃±5℃
140	140℃±5℃
145	145℃±5℃
150	150℃±5℃

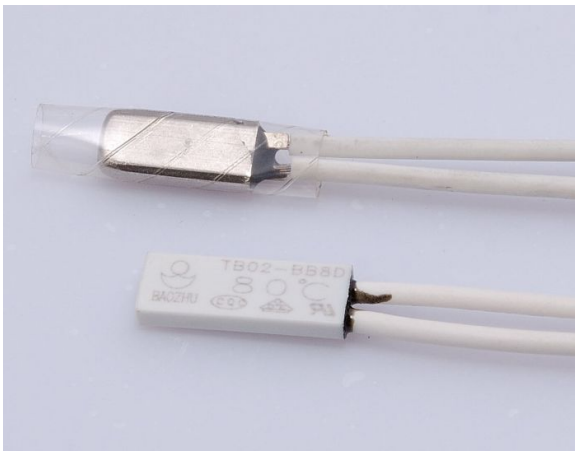
BW thermal protector applies to:
fan motors
transformers
fluorescent lamp ballast
batteries
electronics and electrical equipments
household and similar equipments

BW Nominal Parameter
Ir/Ur: 8A250V~; 12A125V~
Temperature range
40℃~150℃, in the increments of 5℃
Max temperature:150℃
Life cycles: 10,000 (10000 automatic resets)



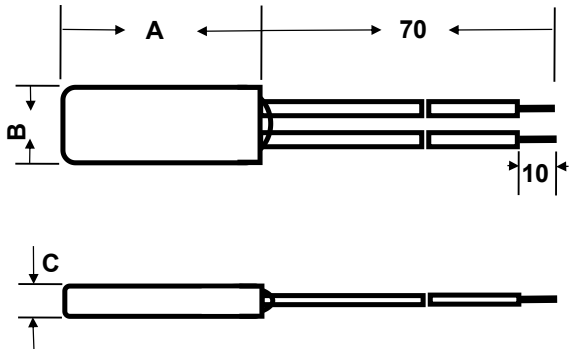
Type	A	B	C
A metal case	20±0.3	6.6±0.2	3.2±0.1
B plastic case	20±0.3	7.3±0.2	3.9±0.1

Part No.	Tripping temperature
040	40℃±5℃
045	45℃±5℃
050	50℃±5℃
055	55℃±5℃
060	60℃±5℃
065	65℃±5℃
070	70℃±5℃
075	75℃±5℃
080	80℃±5℃
085	85℃±5℃
090	90℃±5℃
095	95℃±5℃
100	100℃±5℃
105	105℃±5℃
110	110℃±5℃
115	115℃±5℃
120	120℃±5℃
125	125℃±5℃
130	130℃±5℃
135	135℃±5℃
140	140℃±5℃
145	145℃±5℃
150	150℃±5℃



TB02 **thermal protector applies to**:
fan motors
transformers
fluorescent lamp ballast
batteries
electronics and electrical equipments
household and similar equipments

TB02 **Nominal Parameter**
Ir/Ur: 2A250V~；3A125V~
Temperature range
40℃~150℃, in the increments of 5℃
Max temperature:150℃
Life cycles：10,000 (10000 automatic resets)



Type	A	B	C
A metal case	1.3.5±0.3	5.4±0.1	2.4±0.1
B plastic case	13.5±0.25	5.4±0.1	2.4±0.1

Part No.	Tripping temperature
040	40℃±5℃
045	45℃±5℃
050	50℃±5℃
055	55℃±5℃
060	60℃±5℃
065	65℃±5℃
070	70℃±5℃
075	75℃±5℃
080	80℃±5℃
085	85℃±5℃
090	90℃±5℃
095	95℃±5℃
100	100℃±5℃
105	105℃±5℃
110	110℃±5℃
115	115℃±5℃
120	120℃±5℃
125	125℃±5℃
130	130℃±5℃
135	135℃±5℃
140	140℃±5℃
145	145℃±5℃
150	150℃±5℃

KSD snap-action series

温度开关
KSD thermal Protector

Model No.	Tf	Model No.	Tf
010	45±5℃	026	150±5℃
011	50±5℃	027	155±5℃
012	55±5℃	028	160±5℃
013	60±5℃	029	165±5℃
010	65±5℃	030	170±5℃
011	70±5℃	031	175±5℃
012	75±5℃	032	180±5℃
013	80±5℃	031	175±5℃
014	85±5℃	032	180±5℃
015	90±5℃	below is high temperature	
016	95±5℃	033	185±5℃
017	100±5℃	034	190±5℃
018	105±5℃	035	195±5℃
019	110±5℃	036	200±5℃
020	115±5℃	037	205±5℃
021	120±5℃	038	210±5℃
022	125±5℃	039	215±5℃
023	130±5℃	040	220±5℃
024	135±5℃	041	215±5℃
025	140±5℃	042	220±5℃

Opening temperature can be made as request：

±2℃　±3℃　±5℃

Constructure and application:

KSD301 snap action thermostat is the small-size bimetal thermostat series with a metal cap, which belongs to thermalrelays family.The main principle is the fumction of bimetal discs snap action under the change of temperature sensed.The snap action of disc can push the action of the contacts through the inside structure, causing the circuit on ond off finally.

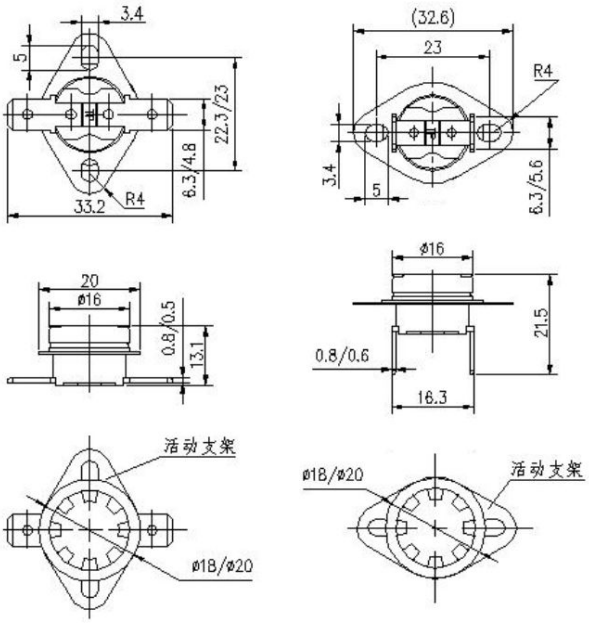
Widely used in household water dispensers, electric heaters, disinfection cabinets, coffee pots, rice cookers, air conditioners, laminators, and other heating equipments.

Advantages:

high stability, high accuracy, small volume, long life cycles, high reliability, little radio interference.

Technical specification:

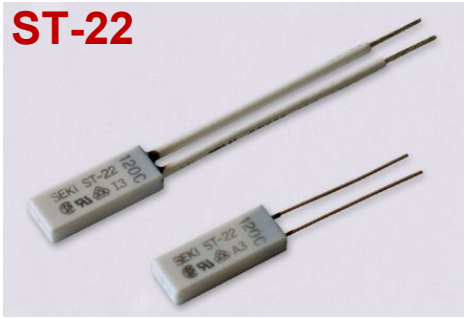
1、parameters：
1）VDE、CQC、UL、TüV AC250V 50~60Hz 10（Resistive load）
2）UL AC125V 50Hz 15A（Resistive load）
2、Action temperature：0~220℃，tolerance：±（2~5%）℃
3、Reset temperature: 3~100℃
4、Mode of connecting：terminal 250#(0~90°); terminal 187#（0~90°，thinkness: 0.5、0.8mm）
5、Life：1)VDE、UL 100000 cycles
2)CQC、TüV 10000 cycles
6、Electric strength：AC2000V under 1min，no flash, no breakdown
7、Contact resistance：≤50mΩ
8、Insulation resistance：≤100MΩ
9、Contact form：normally closed (NC) and normally open(NO)
10、Protection grade：IP00
11、Grounding mode：by connecting the metal case with appliance grounding metal part
12、Installation：KSD301 is mounted with moving reticle，(attached with aluminium cap with mounting hole)



温度开关

SEKI Series ST-22/ST-12 Thermal Protector

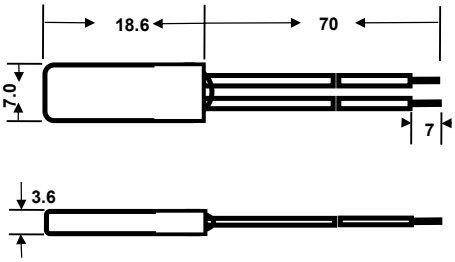
ST-22



SEKI ST-22 thermal protector applies to：
fan motors
transformers
fluorescent lamp ballast
batteries
electronics and electrical equipments
household and similar equipments

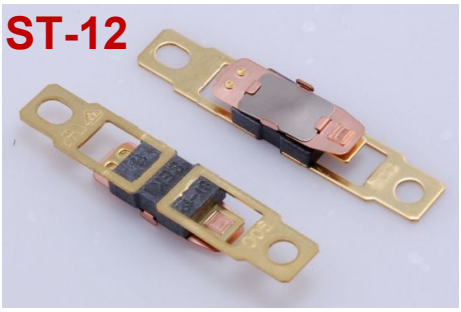
SEKI ST-22 Nominal Parameter
Ir/Ur: 8A250V~；13A125V~
Temperature range
45℃~150℃, in the increments of 5℃
Max temperature:150℃
Life cycles：10,000 (10000 automatic resets)

Certificates:
UL CSA VDE CQC RoHS



Model No.	Tripping temperature	Model No.	Tripping temperature
ST-22 45	45℃	ST-22 100	100℃
ST-22 50	50℃	ST-22 105	105℃
ST-22 55	55℃	ST-22 110	110℃
ST-22 60	60℃	ST-22 115	115℃
ST-22 65	65℃	ST-22 120	120℃
ST-22 70	70℃	ST-22 125	125℃
ST-22 75	75℃	ST-22 130	130℃
ST-22 80	80℃	ST-22 135	135℃
ST-22 85	85℃	ST-22 140	140℃
ST-22 90	90℃	ST-22 145	145℃
ST-22 95	95℃	ST-22 150	150℃

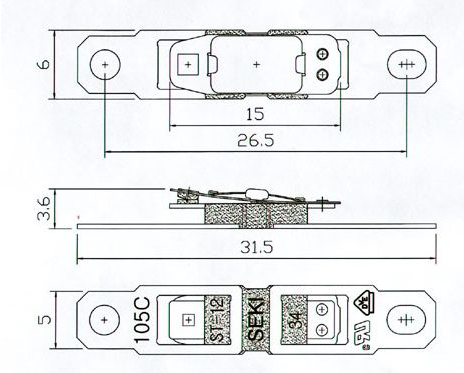
ST-12



SEKI ST-12 thermal protector applies to：
blowers, hair divider, electric ovens, corn poppers,electric heaters, tableware dryers

SEKI ST-12 Nominal Parameter
Ir/Ur: 10A250V~；15A125V~
Temperature range
70℃~150℃, in the increments of 5℃
Max temperature:150℃
Life cycles：6000 (6000 automatic resets)
ON-OFF temperature tolerance: below 10'C
Contact capacity:
Minimum: 100mA /cycle, Maximum: 30A/cycle

Certificates:
UL CSA VDE CQC RoHS

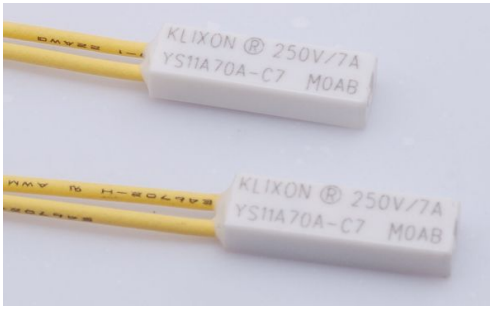


Model No.	Tripping temperature	Model No.	Tripping temperature
ST-12 70	70℃	ST-12 115	115℃
ST-12 75	75℃	ST-12 120	120℃
ST-12 80	80℃	ST-12 125	125℃
ST-12 85	85℃	ST-12 130	130℃
ST-12 90	90℃	ST-12 135	135℃
ST-12 95	95℃	ST-12 140	140℃
ST-12 100	100℃	ST-12 145	145℃
ST-12 105	105℃	ST-12 150	150℃
ST-12 110	110℃		

双金属片式 热保护器

温度开关

YS11 Series Thermal Protector



YS11 thermal protector applies to:

motors, batteries, chargers, battery packs, transformers, instruments, equipments, PC boards, household appliances

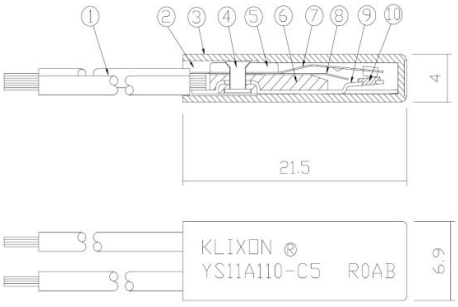
YS11 is a temperature sensing protector developed by Klixon. YS11 is very sensitive to temperature change.When temperature rises to a certain point, the bimetal strip will open instantly; When the equipment returns to a normal operating range, the YS11 resets (close circuit) automatically

Certificates:

UL CSA VDE CE CQC RoHS

Nominal parameters

10A / 115 V--AC (10000 automatic resets)
7A / 240 V---AC (10000 automatic resets)
6A / 24V-- DC (10000 automatic resets)
13A / 30V-- DC (3000 automatic resets)
Temperature range: 45 ℃~ 150 ℃ ±5℃ (in the increments of 5℃);
Case dimension(L×W×T)： 21.5×6.9×4.0 mm



Model No.	Tripping Temperature	Model NO.	Tripping Temperature
YS11A 45	45℃	YS11A 100	100℃
YA11A 50	50℃	YS11A 105	105℃
YS11A 55	55℃	YS11A 110	110℃
YS11A 60	60℃	YS11A 115	115℃
YS11A 65	65℃	YS11A 120	120℃
YS11A 70	70℃	YS11A 125	125℃
YS11A 75	75℃	YS11A 130	130℃
YS11A 80	80℃	YS11A 135	135℃
YS11A 85	85℃	YS11A 140	140℃
YS11A 90	90℃	YS11A 145	145℃
YS11A 95	95℃	YA11A 150	150℃

TP1 thermal protector

Applications:

low-power motors, coils, water pump, fluorescent lamp ballast, transformers, lighting, household appliances

Advantages:

Diamond structure, small volume, easy to install
long life cycles
highly sensitive to current and temperature, fast response
multi-style assembly structure：can be made single, double t, triple, quadruple and six-combined as request.

Nominal parameters:

Rated voltage: 50/60HZ，250V，AC
Rated current: 2.5(1.6)A/10(6.3)A ， COSϕ=1.0(0.6)
Opening temperature range:+60℃~+160℃, 5℃ increments

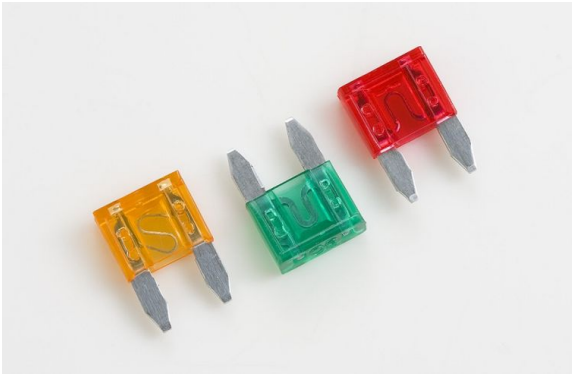
TECHNICAL SPECIFICATION

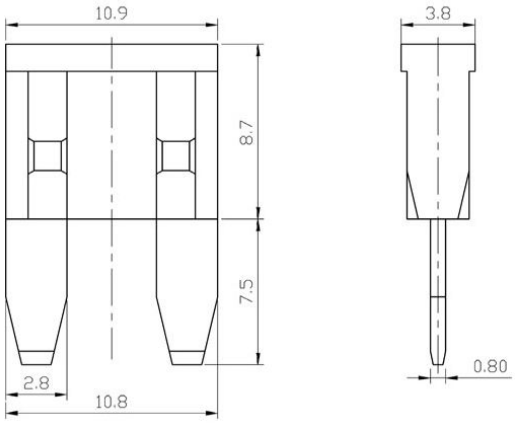
Model number		TP1	
Ur: 50/60HZ		220-250V	
Ir:	COS ϕ =1.0	2.5A	10.0A
	COS ϕ =0.6	1.6A	6.3A
AC MAX LOAD	500V 50/60HZ	3.5A	8.0A
	380V 50/60HZ	4.0A	10.5A
	250V 50/60HZ	6.3A	16A
	110V 50/60HZ	10.0A	36.0A
DC MAX LOAD	60V	1.0A	4.0A
	42V	1.2A	4.8A
	6V 12V 24V	1.5A	6.0A

Mini 插片保险丝
mini blade fuse

汽车保险丝
AUTO Fuse

RoHS





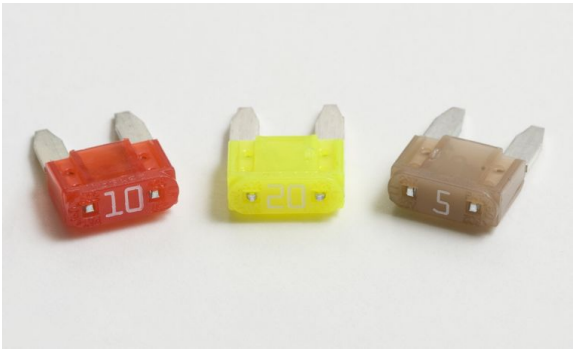
Rated voltage：32V (can reach 58V with special material)
Breaking capacity: 1000A@32V DC
Operating temperature: -40℃～+125℃
Material; I: zinc alloy II: plastic
Standards: SAE J2077, JASO, D612, ISO 8820-3, QC/T 420

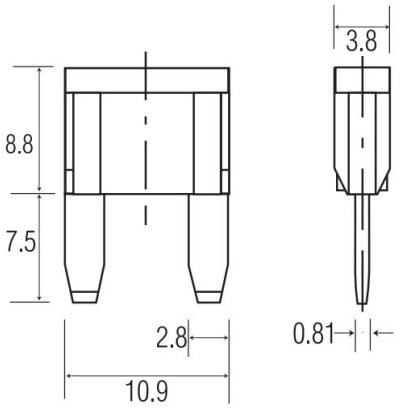
Time-Current Characteristic

Ir%	Blowing time	
	minimum	maximum
110%	100h	---
135%	0.75s	1,800s
200%	0.15s	5s
350%	0.04s	0.5s
600%	0.02s	0.1s

Rating

Part No.	Ir(A)	Shell color
ATN 2	2 A	
ATN 3	3 A	
ATN 4	4 A	
ATN 5	5 A	
ATN 7.5	7.5 A	
ATN 10	10 A	
ATN 15	15 A	
ATN 20	20 A	
ATN 25	25 A	
ATN 30	30 A	
ATN 35	35 A	





Interrupting Rating: 1000A @ 32 VDC
Voltage Rating: 32 VDC
Operating Temperature Range: -40˚C to +125˚C
Terminals: Ag plated zinc alloy
Housing Materials: PA66
Complies with: Meets SAE J2077
ISO 8820-3
UL 248 Special Purpose Fuse

RoHS

Time-Current Characteristic

Ir %	Opening Time Min / Max (s)
110	360,000 s /
135	0.75 s / 600 s
200	0.15 s / 5 s
350	0.080 s / 0.250 s
600	0.030 s / 0.100 s

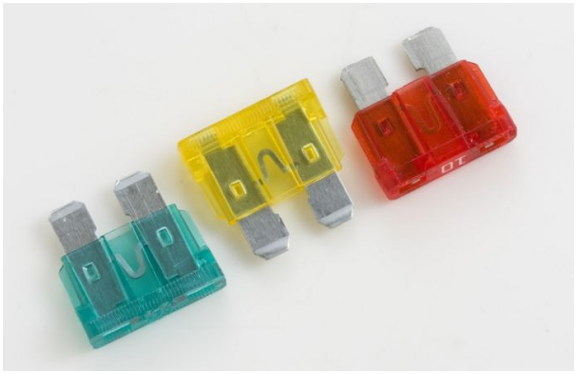
Rating

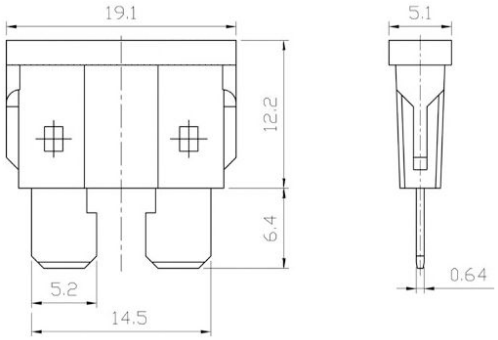
Part No.	Ir(A)	Shell color
297002	2 A	
297003	3 A	
ATN 4	4 A	
ATN 5	5 A	
ATN 7.5	7.5 A	
ATN 10	10 A	
ATN 15	15 A	
ATN 20	20 A	
ATN 25	25 A	
ATN 30	30 A	

中型插片保险丝
medium blade fuse

汽车保险丝
AUTO Fuse

RoHS





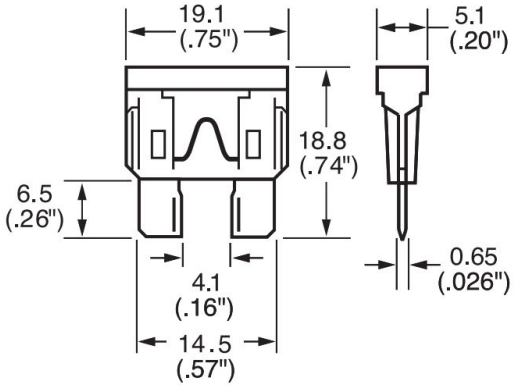
Rated voltage：32V (can reach 58V with special material)
Breaking capacity: 1000A@32V DC
Operating temperature: -40℃～+125℃
Material; I: zinc alloy II: plastic
Standards: SAE J2077, JASO, D612, ISO 8820-3, QC/T 420

Blowing characteristic

Ir%	blowing time	
	minimum	maximum
110%	100h	---
135%	0.75s	1,800s
200%	0.15s	5s
350%	0.04s	0.5s
600%	0.02s	0.1s

Specification

Part No.	Ir(A)	Shell color
ATS 1	1 A	
ATS 2	2 A	
ATS 3	3 A	
ATS 4	4 A	
ATS 5	5 A	
ATS 7.5	7.5 A	
ATS 10	10 A	
ATS 15	15 A	
ATS 20	20 A	
ATS 25	25 A	
ATS 30	30 A	
ATS 35	35 A	
ATS 40	40 A	



Voltage Rating: 32 VDC
Interrupting Rating: 1000A @ 32 VDC
Operating Temperature Range: -40°C to +105°C
Terminals: Sn plated zinc alloy
Housing Material: PA66
Complies with: ISO 8820-3
UL 248 Special Purpose Fus

UL RoHS

Time-Current Characteristic

Ir%	Opening Time Min / Max (s)
110	360,000 s /
135	0.75 s / 600 s
200	0.15 s / 5 s
350	0.080 s / 0.250 s
600	0.030 s / 0.100 s

Rating

Par No.	Ir(A)	Shell color
257001	1 A	
257002	2 A	
257003	3 A	
257004	4 A	
257005	5 A	
257075	7.5 A	
	10 A	
	15 A	
	20 A	
	25 A	
	30 A	
	35 A	
	40 A	

大型插片保险丝
maxi blade fuse

汽车保险丝
AUTO Fuse

RoHS

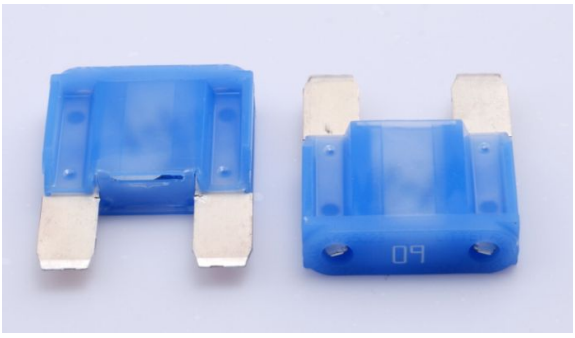
Rated voltage：32V (can reach 58V with special material)
Breaking capacity: 1000A@32V DC
Operating temperature: -40℃～+125℃
Material; I: zinc alloy II: plastic
Standards: SAE J2077, JASO, D612, ISO 8820-3, QC/T 420

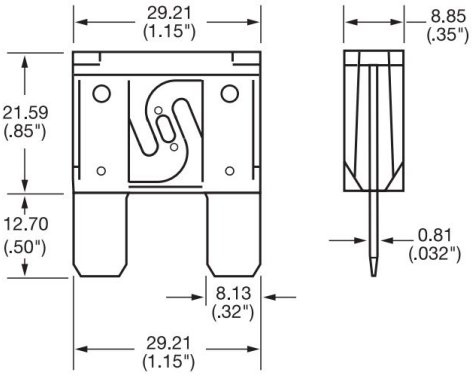
Blowing characteristic

Ir%	Blowing time	
	minimum	maximum
100%	100h	---
135%	60s	1,800s
200%	2s	60s
350%	0.2s	7s
600%	0.04s	1s

Specification

Part No.	Ir(A)	Shell color
ATM 20	20 A	
ATM 30	30 A	
ATM 40	40 A	
ATM 50	50 A	
ATM 60	60 A	
ATM70	70 A	
ATM 80	80 A	
ATM 100	100 A	





Time-Current Characteristic

Ir%	Opening Time Min / Max (s)
110	360,000 s /
135	60 s / 600 s
200	2 s / 60 s
350	0.2 s / 7s
600	0.040 s / 1 s

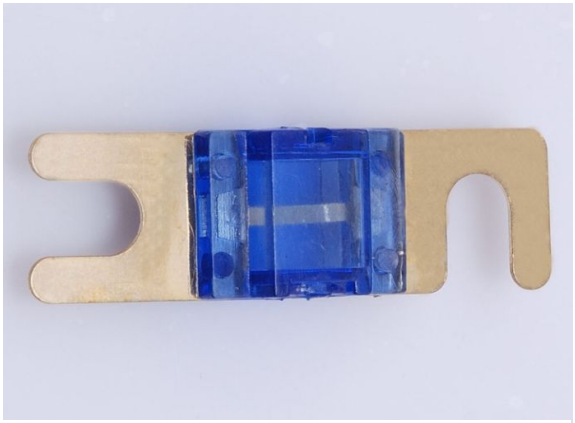
Specification

Part No.	Ir(A)	Shell color
0299020	20 A	
0299025	25 A	
0299030	30 A	
0299035	35 A	
0299040	40 A	
0299050	50 A	
0299060	60 A	
0299070	70 A	
0299080	80 A	

小叉栓保险丝
mini bolt-on fuse

汽车保险丝
AUTO Fuse

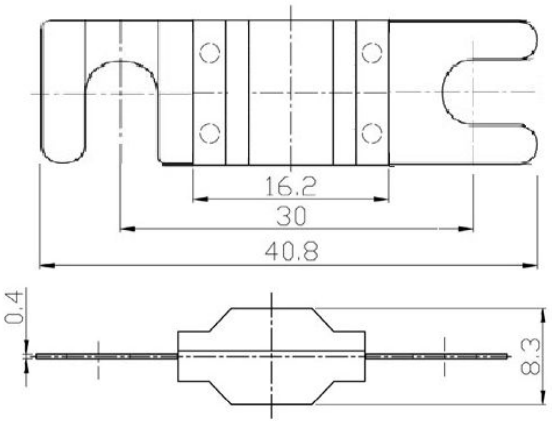
RoHS



fast blowing fuse
Ur: 32V
Standards: SAE J554
Material: 1、copper alloy(gold plated) 2、zinc alloy
3、PC plastic

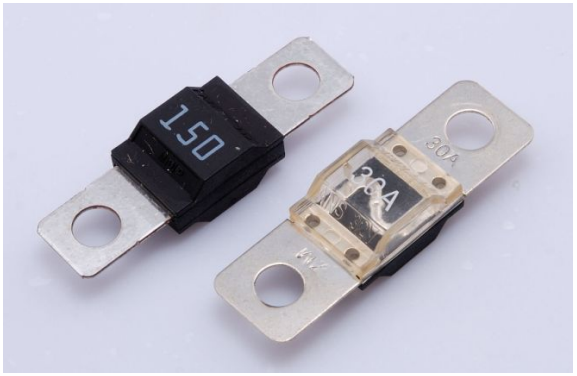
Blowing characteristics

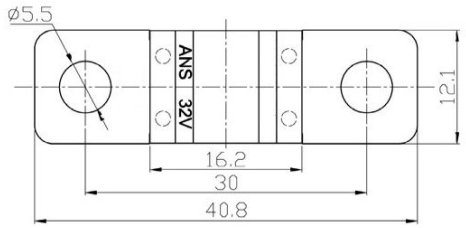
Ir%	Blowing time	
	minimum	maximum
100%	100h	---
110%	4h	---
150%	90s	3600s
200%	5s	100s
350%	0.5s	15s

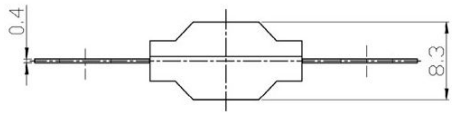


保险丝目录

Part No.	Ir(A)	Shell color
ANS 30	30 A	
ANS 40	40 A	
ANS 50	50 A	
ANS 60	60 A	
ANS70	70 A	
ANS 80	80 A	
ANS100	100 A	
ANS125	125 A	
ANS150	150 A	







Interrupting Rating: 1000A @ 32 VDC
Voltage Rating: 32 VDC
Operating Temperature Range: - 40˚C to + 125˚C
Housing: Out of thermoplastic
Terminal: Tin plated Copper
Mounting Torque M5: 4.5 Nm +/- 1Nm
Mounting Torque M6: 5.5-6.5 Nm +/- 1Nm (Except 23A)
Complies with: ISO 8820-5
UL 248 Special Purpose Fuse

Time-Current Characteristic

Ir %	Opening Time Min / Max (s)
110	360,000 s /
135	60 s / 600 s
200	2 s / 60 s
350	0.2 s / 7s
600	0.040 s / 1 s

Rating

Part No.	Ir(A)	Shell color
498023	23 A	
498030	30 A	
498040	40 A	
498050	50 A	
498060	60 A	
498070	70 A	
498080	80 A	
498100	100 A	
498125	125 A	
498150	150 A	
498175	175 A	
498200	200 A	

管状保险丝
glass tube fuse

汽车保险丝
AUTO Fuse

RoHS

fast blowing fuse
Ur: 32V
Standards: SAE J554
Material: 1. copper alloy 2. zinc alloy
3. glass tube

Blowing characteristic

Ir%	blowing time	
	minimum	maximum
110%	4 hrs.	---
135%	---	1 hr.
200%	---	5 s.

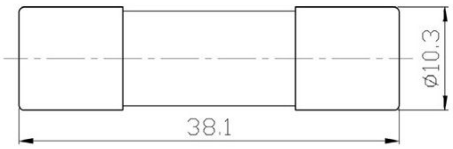
保险丝目录

Part No.	Ir(A)
AGC-1	1A
AGC-2A	2 A
AGC-3	3 A
AGC-4	4A
AGC-5	5A
AGC-6	6A
AGC-7	7A
AGC-8	8A
AGC-10	10A
AGC-15	15A
AGC-20	20A
AGC-25	25A
AGC-30	30A

fast blowing fuse
Ur: 32V
Standards: SAE J554
Material: 1. copper alloy(gold plated) 2. zinc alloy
3. glass tube

Blowing Characteristic

Ir%	Blowing time		
	---	minimum	maximum
100%	35A ~ 80A	4 hrs.	---
110%	10A ~ 30A	4 hrs.	---
135%	10A ~ 30A	---	1 hr.
200%	10A ~ 30A	---	5 s
300%	35A ~ 80A	---	4 s



Rating

Part No.	Ir(A)
AGU-G 10	10 A
AGU-G 15	15 A
AGU-G 20	20 A
AGU-G 25	25 A
AGU-G 30	30 A
AGU-G 35	35 A
AGU-G 40	40 A
AGU-G 50	50 A
AGU-G 60	60 A
AGU-G 70	70 A
AGU-G 80	80 A

大叉栓保险丝
maxi bolt-on fuse

汽车保险丝
AUTO Fuse

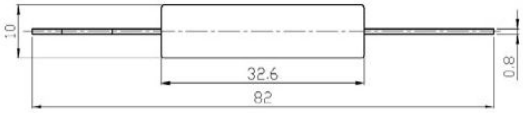
RoHS

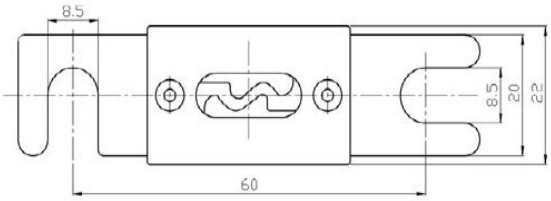
Ur: 32V (can reach 80V using special material)
Standards: DIN 43560/1
Material: 1. copper alloy 2. plastic

熔断特性

Ir%	Blowing time	
	minimum	maximum
110%	100h	---
135%	0.75s	1,800s
200%	0.15s	5s
350%	0.04s	0.5s
600%	0.02s	0.1s

PREV





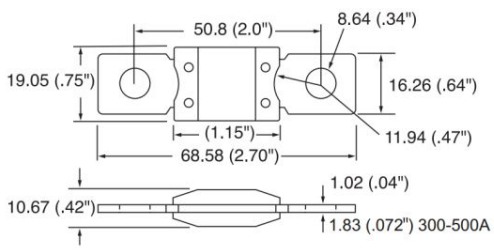
保险丝目录

Part No.	Ir(A)
ANL 40	40A
ANL 50	50A
ANL 60	60A
ANL 70	70A
ANL 80	80A
ANL 100	100A
ANL 125	125A
ANL150	150A
ANL 175	175A
ANL 200	200A
AML225	225A
ANL250	250A
ANL275	275A
ANL300	300A
ANL350	350A
ANL400	400A

Interrupting Rating: 2000A @ 32 VDC
Voltage Rating: 32 VDC
Operating Temperature Range: -40˚C to + 125˚C
Housing: PPA (33%/35% GF)
Terminals: Copper (Silver plated
copper available) M6 or M8 bolts available
Mounting Torque: 8-14 Nm M6 12-18 Nm M8
Complies with: ISO 8820-

Time-Current Characteristic

Ir%	Opening Time Min / Max (s)
110	360,000 s /
135	0.75 s / 600 s
200	0.15 s / 5 s
350	0.080 s / 0.250 s
600	0.030 s / 0.100 s



Rating

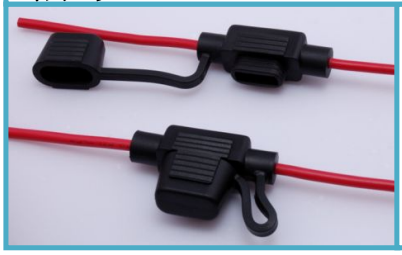
Part No.	IrA)
298040	40A
298050	50A
298060	60A
298070	70A
298080	80A
298100	100A
298125	125A
298150	150A
298175	175A
298200	200A
298225	225A
298250	250A
298300	300A
298350	350A

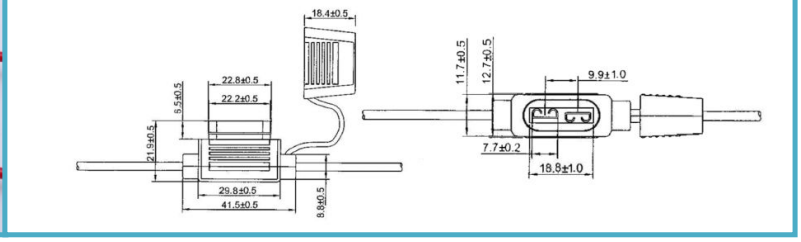
线束安装系列

汽车保险丝座
In-line AUTO Fuse Holder

编号：SL709A

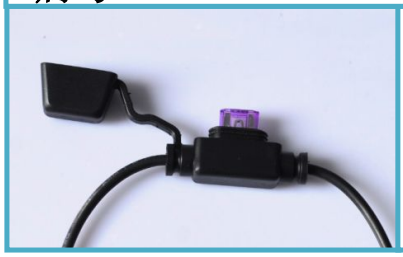
电流:10A 电压:AC250V RoHS

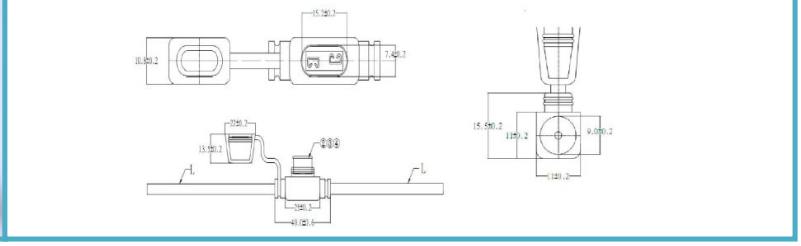




编号：SL709B

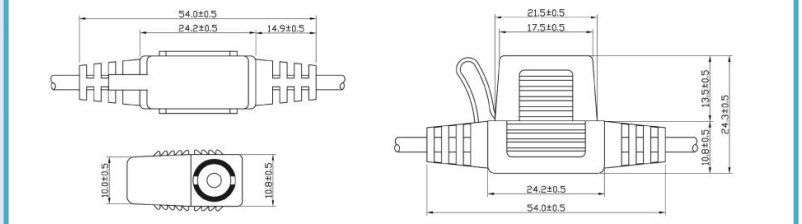
电流:6.3A 电压:AC250V RoHS





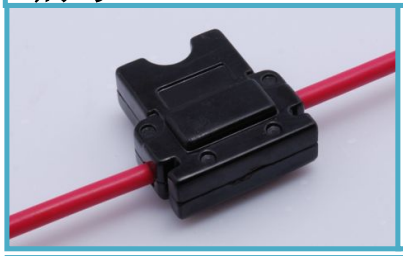
编号：SL709CA

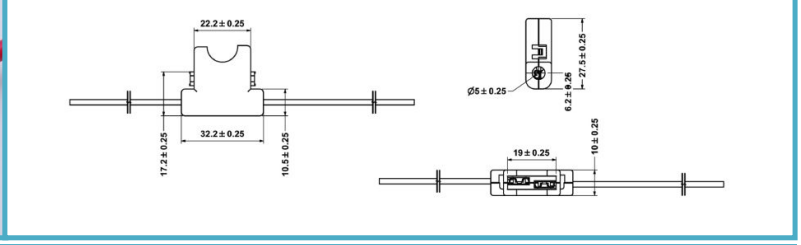
电流:10A 电压:AC250V RoHS



编号：SL708A

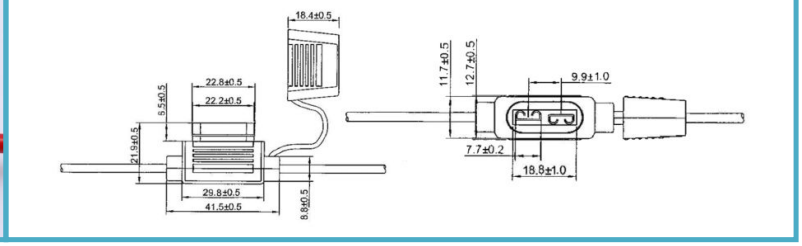
电流:6.3A 电压:AC250V RoHS





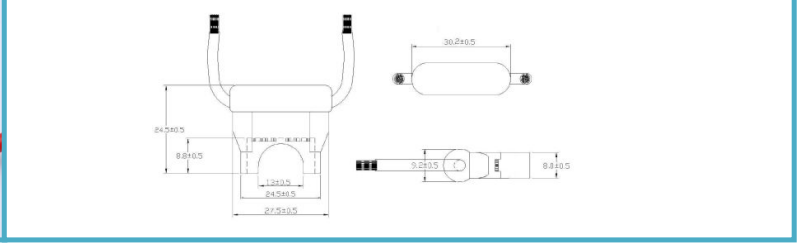
编号：SL708B

电流:6.3A 电压:AC250V RoHS



编号：SL708C

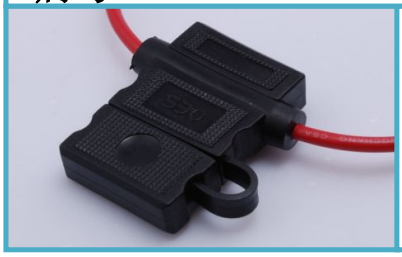
电流:6.3A 电压:AC250V CQC RoHS

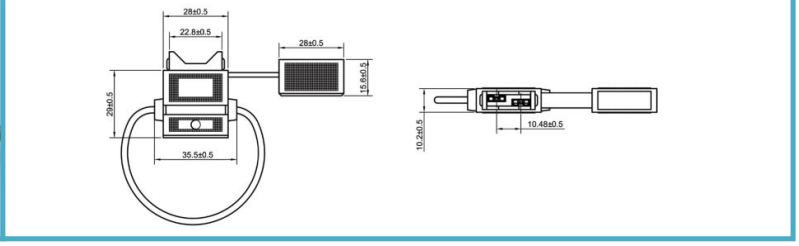


汽车保险丝座
In-line AUTO Fuse Holder

编号： SL 708D

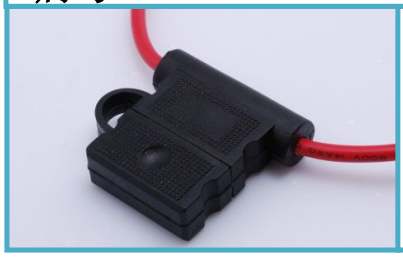
电流:10A 电压:AC250V

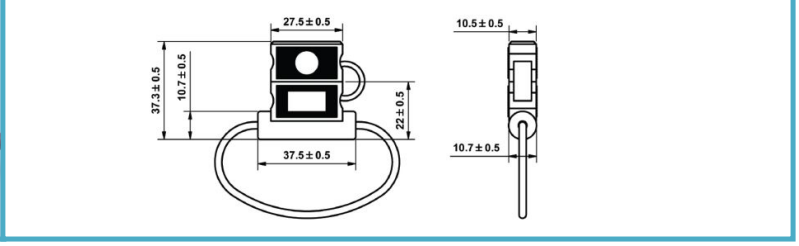




编号： SL708E

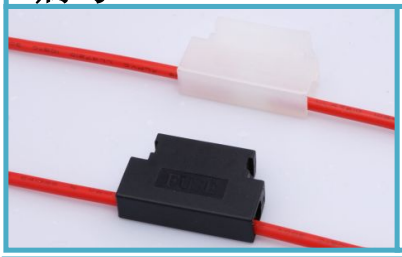
电流:6.3A 电压:AC250V

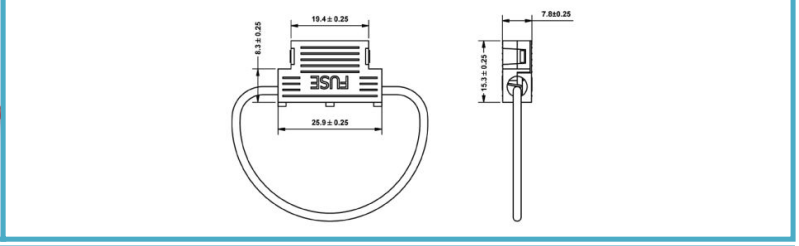




编号： SL703

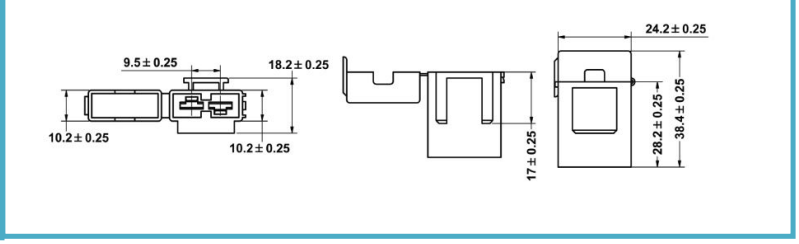
电流:10A 电压:AC250V





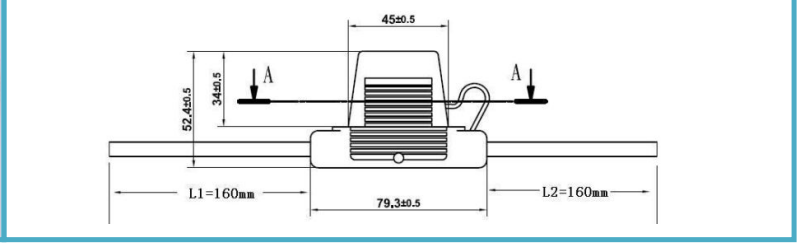
编号： SL707

电流:6.3A 电压:AC250V



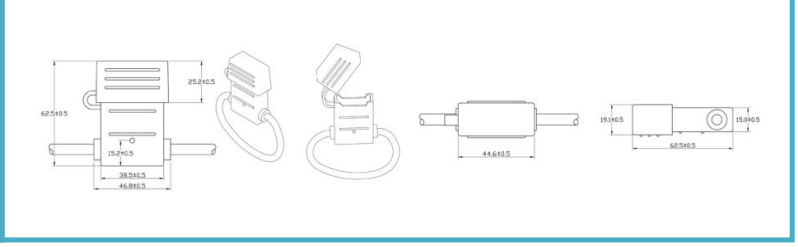
编号： SL709L

电流:6.3A 电压:AC250V



编号： SL709L

电流:6.3A 电压:AC250V

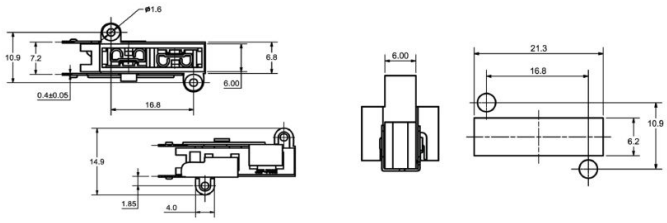


汽车保险丝座
PCB Box AUTO Fuse Holder

编号： SL703E

电流:10A 电压:AC250V

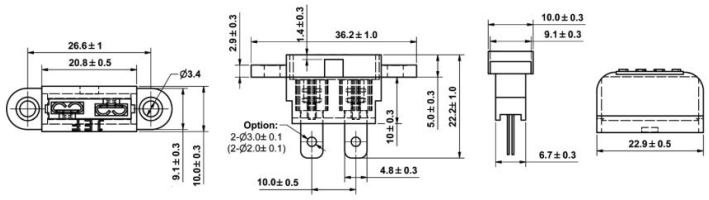
RoHS



编号： SL703C

电流:6.3A 电压:AC250V

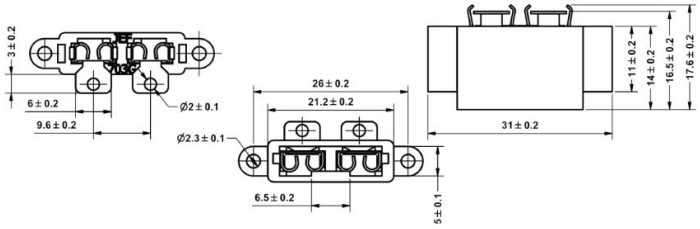
RoHS



编号： SL703D

电流:10A 电压:AC250V

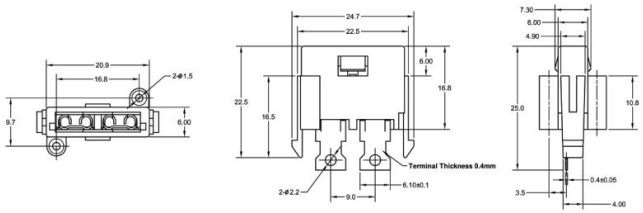
RoHS



编号： SL703 FA

电流:6.3A 电压:AC250V

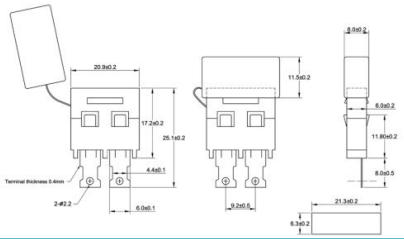
RoHS



编号： SL703FC

电流:6.3A 电压:AC250V

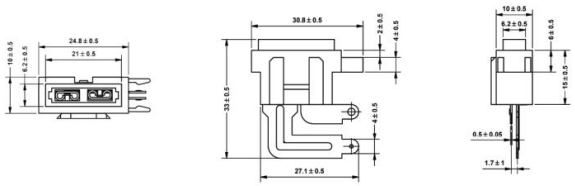
RoHS



编号： SL703H

电流:6.3A 电压:AC250V

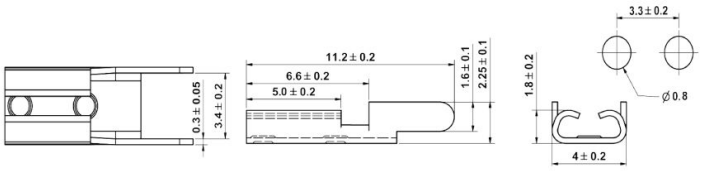
RoHS



汽车保险丝座
PCB AUTO Fuse Holder

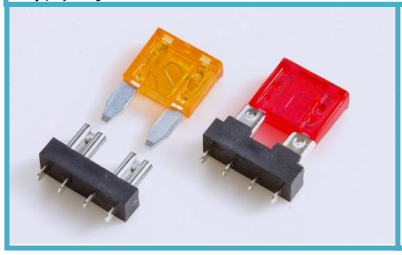
编号：SL506K

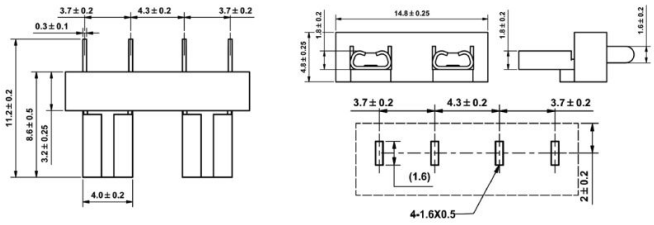
电流:10A 电压:AC250V RoHS



编号：SL506P

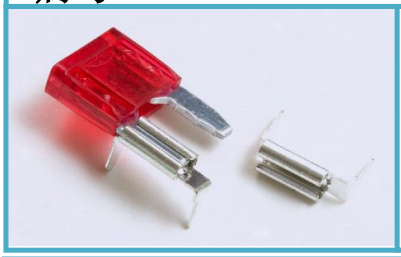
电流:6.3A 电压:AC250V RoHS

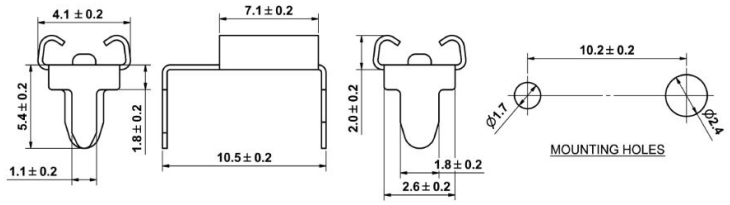




编号：SL506H

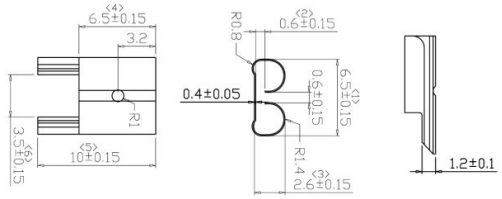
电流:10A 电压:AC250V RoHS





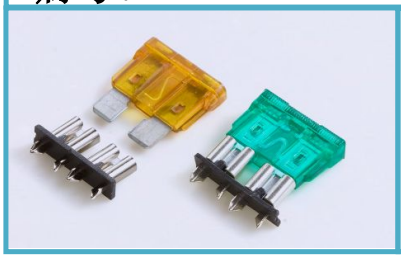
编号：SL506BA

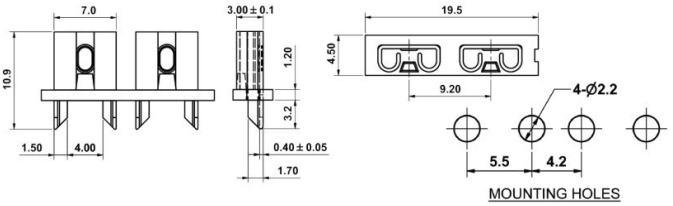
电流:6.3A 电压:AC250V RoHS



编号：SL506J

电流:6.3A 电压:AC250V RoHS





编号：SL506Q

电流:6.3A 电压:AC250V RoHS