



股票代码：002729

# 好利® 保险丝管

成为全球卓越的电路安全保护解决方案提供商  
GLOBAL OUTSTANDING CIRCUIT PROTECTION SOLUTIONS PROVIDER



# COMPANY INTRODUCTION

## 公司简介

好利来(厦门)电路保护科技有限公司是好利来(中国)电子科技股份有限公司全资子公司,主营熔断器等电路保护元器件业务,是专业研发、生产、销售电路保护器产品的高新技术企业。好利来(中国)1992年成立于福建厦门,于2014年9月12日在深圳证券交易所中小板上市,证券代码:002729,是沪深板块中的首家熔断器上市公司。

好利来拥有30多年的电路保护器研发、设计、制造经验。并具有BSI/ISO9001、IATF16949品质体系认证、CQC/ISO14001环境体系认证和ISO45001职业健康安全管理体系认证。公司产品包括小型熔断器、微型熔断器、SMD熔断器、温度保险丝、高/低压熔断器及自复保险丝等电路保护器,广泛应用于通讯、计算机、交通、玩具、家用电器、电池、新能源及其它电子电力系统保护。

Hollyland (Xiamen) Technology Corporation Limited is a wholly-owned subsidiary of Hollyland (China) Electronics Technology Corporation Limited, the primary business is fuses and the other circuit protection devices. Hollyland was founded in Xiamen in 1992, it is a high-tech enterprise and focus on the developing, manufacturing and marketing of circuit protection devices. On September 12, 2014, Hollyland was listed on the board of Shenzhen Stock Exchange in China, the stock code is 002729. Hollyland is the first listed fuse company in China.

Hollyland has more than 30 years' experience in the developing, manufacturing and marketing of circuit protection devices. We have acquired BSI/ISO 9001, IATF16949 quality system certificate, CQC/ISO14001 environmental system certificate and ISO45001 occupational health and safety management system certificate. Hollyland has developed a great variety of fuses, including miniature fuses, subminiature fuses, SMD fuse, thermal fuses, high/low voltage fuses and PTC resettable fuses etc, the products have been widely applied in telecommunication, IT industry, transportation, toys, household appliance, batteries, new energy resources and other electronic & electricity system protection etc.

1992

**成立**

厦门宁利电子  
有限公司成立

2007

**探索**

研发生产  
低压熔断器  
成功进入  
光伏领域市场

2010

**股改**

改制更名为  
好利来(中国)  
电子科技  
股份有限公司

2014

**上市**

深沪板块A股上市  
股票代码:002729

2015

**搬迁**

至厦门翔安  
好利来工业园区

# HONORS AND AWARDS

## 公司荣誉

中国电器工业协会电器附件及家用控制器分会  
第六届理事会常务理事单位  
Member of the 6th Council of Electrical Accessories &  
Automatic controls Institute of China Electrical Equipment  
Industrial Association Branch

全国熔断器标准化技术委员会成员  
Member of the National Technical Committee on Fuses of  
Standardization Administration of China

厦门市高新技术企业  
A High Technology Enterprise of Xiamen City

厦门市“专精特新”中小企业  
Xiamen High-quality Development of Technologically  
Advanced Small and Medium-sized Enterprise

2016

### 拓展

全资子公司  
好利来(厦门)电路保护  
科技有限公司成立

2020

### 提升

取得TUV目击  
实验室资格

2021

### 蝶变

证券简称调整为：  
好利科技  
进入智能制造  
数字化工厂  
建设新元年

2022

### 升级

战略升级  
砥砺前行



# Index 产品索引

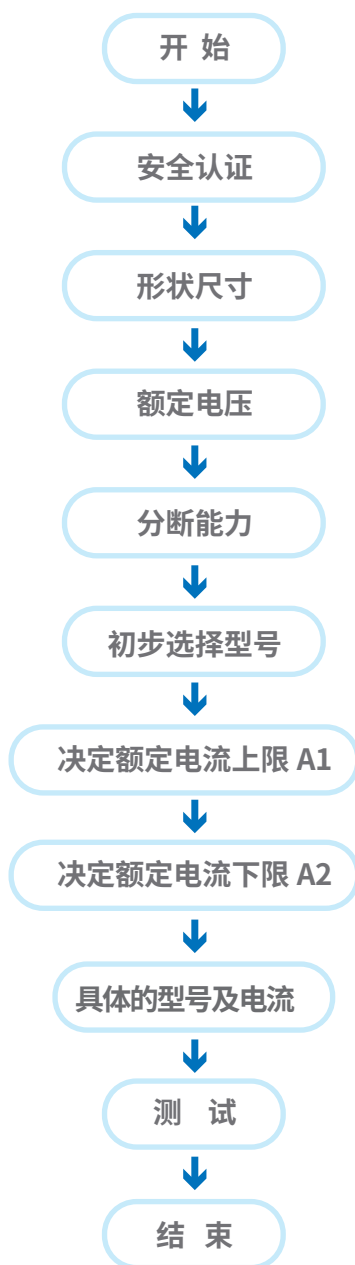
	TYPE	DESCRIPTION	RATING	APPROVALS	
Surface Mount Fuse	06F	Fast-Blow Type	200mA-5A, 32V / 63V	UR, cUR	P07
	06T	Slow-Blow Type	1A-5A, 32V / 63V	UR, cUR	P08
	12F	Fast-Blow Type	100mA-7A, 24V / 32V / 63V	UR, cUR	P09
	12T	Slow-Blow Type	500mA-7A, 24V / 32V / 63V	UR, cUR	P10
	25F	Fast-Blow Type	200mA-10A, 125V / 250V; 12-20A,65V / 125V	UR, cUR, TUV, CQC	P11
	25T	Slow-Blow Type	200mA-5A, 125V / 250V	UR, cUR	P12
	3NF	Fast-Blow Type	5A-60A, 32V / 75V/ 125V/ 250V	cURus	P13
	3NT	Slow-Blow Type	200mA-10A, 125V / 250V	cURus	P14
	4NT	Slow-Blow Type	500mA-5A, 125V / 250V	UR, cUR	P15
	10NF	Fast-Blow Type	30A-100A, 32V / 75V/ 100V/ 115V/ 250V	cURus	P16
Φ8x8.5mm Radial Lead Microfuse	5RT	Time-lag Type	100mA-6.3A, 125V / 250V / 300V	CCC, cURus, VDE, SEMKO, BSI, PSE, KC	P17
	5EF	Quick-acting Type	315mA-6.3A, 250V	CCC, cURus, VDE, SEMKO, PSE	P18
	5ET	Time-lag Type	100mA-10A, 125V / 250V / 300V/ 400V	CCC, cURus, VDE, SEMKO, BSI, PSE, KC, TUV	P19
Φ2.4x7mm Microfuse	20N	Very Quick-acting Type	100mA-10A, 125V / 250V; 12-15A, 72V; 20A 60V	CCC, UL, cUL, UR, cUR, CSA, PSE	P20
	20S	Medium Slow-Blow Type	200mA-10A, 125V / 250V	CCC, UL, cUL, CSA, PSE	P21
	20T	Slow-Blow Type	375mA-7A, 125V / 250V	CCC, UR, cUR, CSA, PSE	P22
Φ3.6x10mm Microfuse	25S	Slow-Blow Type	1A-2A, 125V / 250V	CCC, VDE, UR, cUR, PSE	P23
	30N	Fast-Blow Type	200mA-15A, 125V / 250V / 350V	UL, cUL, CSA, PSE	P24
	30TS	Slow-Blow Type	200mA-15A, 125V / 250V / 350V	CCC, VDE, UL, cUL, UR, cUR, CSA, PSE	P25
	31NM, 32NM/31NM(P)	Fast-Blow Type	100mA-15A, 125V / 250V	UL, cUL, CSA	P26
	31S, 32S/31S(P)	Slow-Blow Type	100mA-15A, 125V / 250V	UL, cUL, CSA	P27
	30T	Time-lag Type	200mA-10A, 250V	CCC, VDE, cURus	P28
	35NM, 36NM/35NM(P)	Fast-Blow Type	100mA-15A, 125V / 250V	UL, cUL, CSA, PSE	P29
	3CT	Time-lag Type	1A-10A, 125V / 250V	cURus, TUV	P30
Φ4.5x15mm Glass Tube Fuse	41NM, 42NM/41NM(P)	Fast-Blow Type	300mA-15A, 125V / 250V / 300V	UR, cUR, PSE, KC	P31
Φ5.2x20mm Glass & Ceramic Tube Fuse	51NM, 52NM/51NM(P)	Fast-Blow Type	100mA-15A, 125V / 250V	UL, cUL, UR, CSA, PSE, KC	P32
	51MS, 52MS/51MS(P)	Medium Slow-Blow Type	100mA-15A, 125V / 250V	UL, cUL, UR, CSA, PSE, KC	P33
	51S, 52S/51S(P)	Slow-Blow Type	100mA-15A, 125V / 250V	UL, cUL, UR, CSA, PSE, KC	P34
	50F	Quick-acting Type	125mA-20A, 250V	CCC, CQC, SEMKO, VDE, BSI, IMQ, UR, cUR, CSA, PSE, KC	P35
	50T	Time-lag Type	100mA-20A, 250V	CCC, CQC, SEMKO, VDE, BSI, IMQ, UR, cUR, CSA, PSE, KC	P36
	50CF	Quick-acting Type	250mA-16A, 250V	CCC, CQC, SEMKO, VDE, BSI, UR, cUR, PSE, KC	P37
	50CT	Time-lag Type	200mA-25A, 250V	CCC, CQC, SEMKO, VDE, BSI, UR, cUR, PSE, KC	P38
	5HF	Quick-acting Type	250mA-20A, 300V / 420V / 500V / 600V	cURus, TUV, PSE	P39
	5HT	Time-lag Type	2A-16A, 400V / 500V / 600V	cURus, TUV	P40
	5FF	Very Fast-acting Type	500mA-16A, 250V		P41
	Φ6.35x32mm Glass&Ceramic Tube Fuse	60NM	Normal-Blow Type	5A-50A, 75V/125V/250V	cURus
61NM, 62NM/61NM(P)		Fast-Blow Type	100mA-30A, 125V / 250V	UL, cUL, CSA, PSE, KC	P43
61S, 62S/61S(P)		Slow-Blow Type	200mA-15A, 125V / 250V	UL, cUL, CSA, PSE, TUV, KC	P44
65NM		Fast-Blow Type	300mA-30A, 125V / 250V	UL, cUL, UR, cUR, PSE, KC	P45
65TS		Slow-Blow Type	500mA-30A, 125V / 250V	UL, cUL, UR, cUR, PSE, KC, TUV, CQC	P46
61CT		TIME-LAG FUSE	2A-30A, 500V	UR, cUR	P47
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6HF		Fast-acting Type	12A-30A, 500V	UR, cUR, TUV	P50
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Fuse Holder, Clip&Block					P52-56

## 用户指南

### 保险丝管的选用

为便于用户针对所需保护的元件、电路或设备选用合适的保险丝管，特制定本指南。保险丝管的选用可依以下流程：

### 选用流程



### 需考虑因素

根据整机所需的安全认证决定保险丝管的安全认证，在此，可初步确定选用 IEC 规格或 UL 规格保险丝管。

- ▶ 设计时电路中空间的限制。
- ▶ 安装方式

额定电压应大于等于有效的电路电压。

分断能力的电流应大于电路中的最大故障电流。

整机开关时电路中是否存在启动电流，启动电流在某些电路中是正常的，这种场合应使用慢断型或中等慢断型保险丝管。

保险丝管必须切断的电流及持续时间（该条件由设计人员依具体电路的保护需求而定），参考相应型号的 I-T 曲线，取满足要求的最大额定电流作为上限值 A1。

- ▶ 通过保险丝管的稳态电流（依具体电路而定）。
  - ▶ IEC 规格及 UL 规格保险丝管的额定电流的差别，详见“稳态电流”。
  - ▶ 环境温度对保险丝管承载能力的影响，详见“环境温度”。
  - ▶ 脉冲（冲击电流，浪涌电流，启动电流及电流瞬变值）对保险丝管寿命的影响，详见“脉冲”。
  - ▶ 启动电流及持续时间与相应型号的 I-T 曲线比较。
- 综合考虑以上五个因素后，选出满足要求的最小额定电流作为下限 A2。

综合考虑以上因素后，选出最合适的型号及额定电流。

- ▶ 当  $A1 \geq A2$  时，则可选用 A2 到 A1 区间内的任何一规格的保险丝管。
- ▶ 当  $A1 < A2$  时，则建议选用其它型号的保险丝管。

样品应在实际电路中试运行。

## 用户指南

### 稳态电流

在实际应用中和实验室之间有不同的条件，如：

- ▶ 有时使用保险丝盒；
- ▶ 电路中的电线横截面积；
- ▶ 保险丝管夹的接触电阻等。

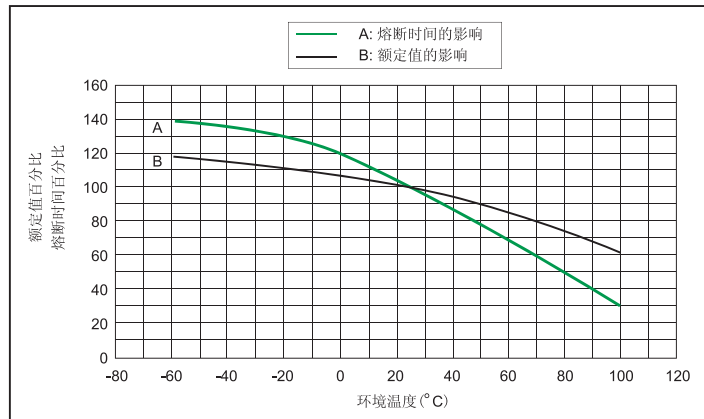
考虑到以上因素，故在 25°C 条件下所选用的保险丝管应满足如下条件才可使得保险丝管持续可靠地工作：

IEC 规格：保险丝管的额定电流  $I_n = \text{稳态电流} / 0.9$

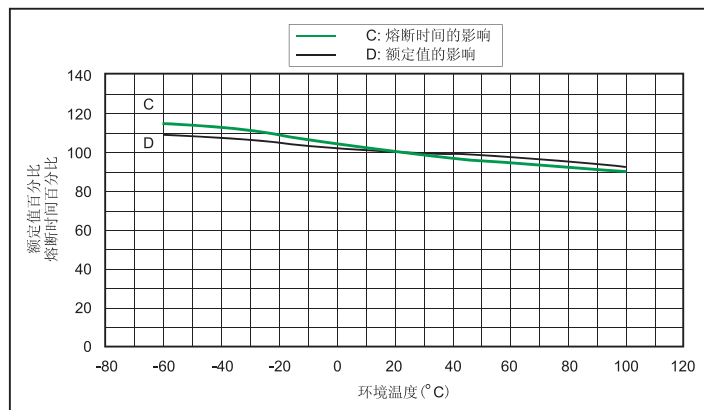
UL 规格：保险丝管的额定电流  $I_n = \text{稳态电流} / 0.75$

### 环境温度

保险丝管的电流承载能力测试是在环境温度 25°C 条件下进行的，而保险丝管的电流承载能力是会受环境温度影响的。环境温度越高，保险丝管的寿命越短，承载能力就越低。所以选用保险丝管时应考虑保险丝管周边的环境温度，环境温度对各类保险丝管承载能力的影响如下图所示：



(a) 表示环境温度对传统慢断型及中等慢断型保险丝管承载能力及 5In 熔断时间的影响



(b) 表示环境温度对快速熔断型保险丝管承载能力及 5In 熔断时间的影响

## 用户指南

### 脉冲

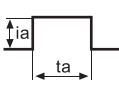
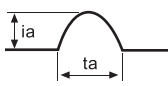
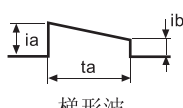
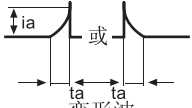
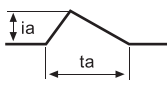
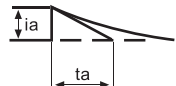
脉冲产生热循环，从而产生机械疲劳影响保险丝管寿命。设计时应使脉冲  $I^2T$  远远小于保险丝管标称熔化热能  $I^2T$ 。保险丝管寿命（可承受的脉冲循环次数）与  $U$ （脉冲  $I^2T$  值与保险丝管  $I^2T$  值之比率）的关系参照表 1。本目录提供的各种规格的保险丝管熔化热能  $I^2T$  可供参考，表 2 提供各种典型脉冲波形的  $I^2T$  值近似计算公式：

表 1

可承受脉冲次数	$U$ (比率)
100,000 次	20%
10,000 次	30%
1,000 次	40%

注：脉冲间隔时间必须足够长才可使前一脉冲产生的热量散失。

表 2

波形	$I^2T$ 值计算公式	波形	$I^2T$ 值计算公式
 矩形波	$ia^2 ta$	 正弦波	$(1/2) ia^2 ta$
 梯形波	$(1/3)(ia^2 + iaib + ib^2) ta$	 变形波	$(1/5) ia^2 ta$
 三角形波	$(1/3) ia^2 ta$	 充、放电波	$(1/2) ia^2 ta$

### 测试

所选定的样品必须在实际的被保护电路中进行测试，以验证所选择的保险丝管。此验证应包括正常条件及故障条件下的测试，以确保所选择的保险丝管在被保护电路中能正常运行。

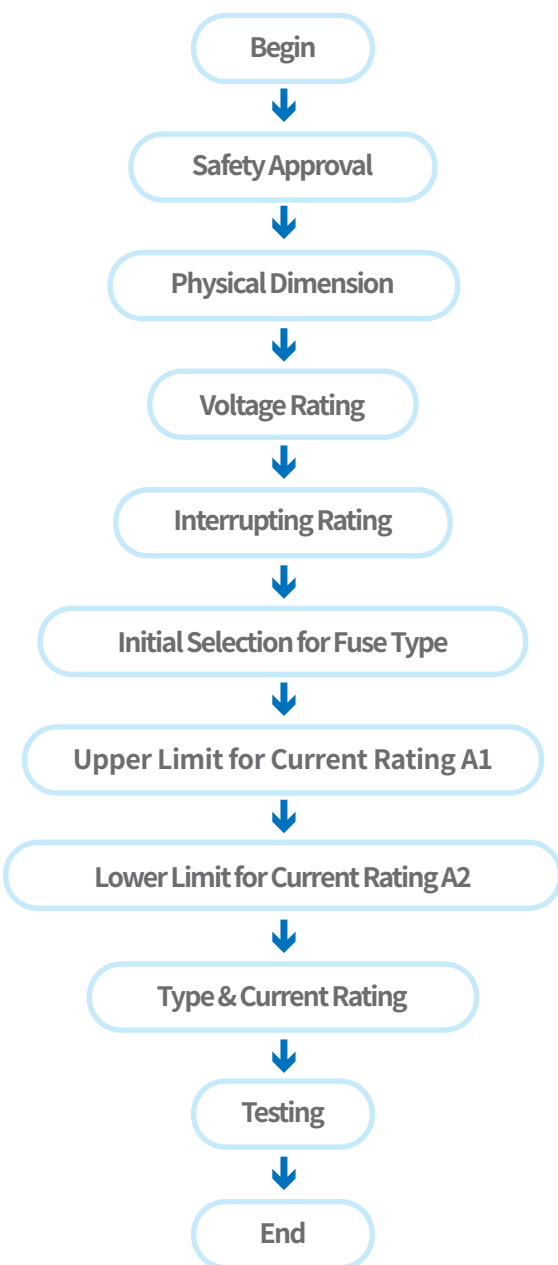
如您在电路保护方面遇见各种疑问，欢迎与好利来（厦门）电路保护科技有限公司技术人员联系，好利来（厦门）电路保护科技有限公司将提供恰当建议协助您共同解决。

**USER GUIDE**

**FUSE SELECTION**

The purpose of this guide is for users to properly select a fuse which provides protection of components, circuit or equipments. The following flow is considered for fuse selection.

**FLOW CHART**



**FACTORS TAKEN INTO CONSIDERATION**

The safety approvals required for fuse shall be determined according to the safety approvals required on the end product. It is the safety approval that determines initially the selected fuse designed to IEC standard or UL standard.

- ▶ The space limit of circuit in design.
- ▶ Mounting mode.

The voltage rating of the fuse shall be greater than, or equal to the available circuit voltage.

The interrupting rating of the fuse should exceed the Maximum Fault Current of the circuit.

Does there exist “turn-on current” in a circuit when the end product turns on or off? The “turn-on current” is normal for some circuit and requires the slow-blow fuse or medium slow-blow fuse.

The overload current and time in which a fuse must function (It may be specified on the specific protection needs of circuit by a design engineer.). Referring to the Time-Current curve, the maximum current rating which meet the requirement would be taken as the upper limit for current rating A1.

- ▶ Steady state current through a fuse (based on the specific circuit.).
- ▶ The difference of current rating for fuse designed to IEC standard and UL standard, refer to STEADY STATE CURRENT.
- ▶ Effect of ambient temperature on current-carrying capacity of fuse, refer to AMBIENT TEMPERATURE.
- ▶ Effect of pulse (including surge currents, turn-on currents, in-rush currents and transients) on life of fuse, refer to PULSE.
- ▶ “Turn-on current” and duration should be compared to Time-Current curve of relevant fuse.
- ▶ When  $A1 \geq A2$ , any rating can be selected from the range of A2 to A1.
- ▶ When  $A1 < A2$ , it is advised to select another type fuse.

The sample shall trial-operate in the actual circuit.



## USER GUIDE

### STEADY STATE CURRENT

There exist the different conditions between the actual appliance and test conditions, such as:

- ▶ Fuse-holder.
- ▶ Connecting cable size.
- ▶ Contacting resistance between fuse clip and fuse, etc.

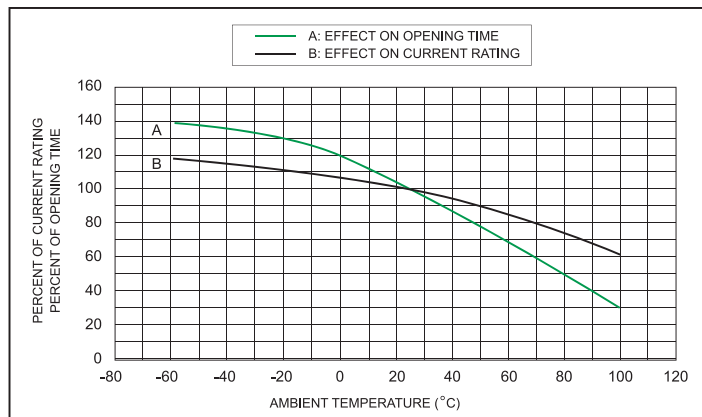
The above factors should be taken into consideration when selecting a fuse in a 25 °C ambient. To compensate for the variation, the following conditions shall be met to ensure the fuse operating continuously and properly.

Fuse designed to IEC standard: current rating (In)=steady state current of circuit/0.9

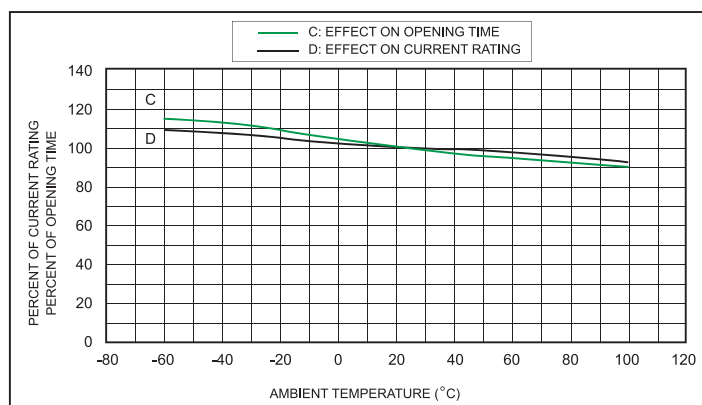
Fuse designed to UL standard: current rating (In)=steady state current of circuit/0.75

### AMBIENT TEMPERATURE

The current carrying capacity tests of a fuse are performed at 25 °C and will be effected by changes with the ambient temperature. The higher the ambient temperature is, the shorter fuse life will be and the lower the current carrying capacity will be. So the ambient temperature shall be considered for proper fuse selection. Refer to the following charts showing its effect on the current carrying capacity of all kinds of fuse.



( I ) Effect on rating and opening time in 5In of traditional slow-blow and medium slow-blow fuse



( II ) Effect on rating and opening time in 5In of fast-blow fuse

**USER GUIDE**

**PULSE**

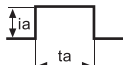

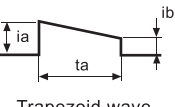
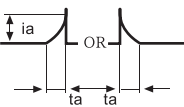
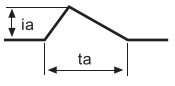
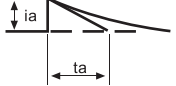
Pulse produces thermal cycling and mechanical fatigue which could affect the life of fuse. In design the selected fuse should have a  $I^2T$  value much greater than the  $I^2T$  value of pulse. Refer to TABLE A showing the relationship between the life of fuse (the endurable times of pulse shock ) and U (ratio between pulse  $I^2T$  value and fuse  $I^2T$  value ). The  $I^2T$  value of a fuse presented in this catalog may be for your reference. The  $I^2T$  value of a pulse can be approximated from the following formulas for a typical wave shape, refer to TABLE B.

**TABLE A**

Endurable times of pulse shock	U (ratio)
100,000 times	20%
10,000 times	30%
1,000 times	40%

Note: Adequate interval (5s-10s) must exist between pulse events to allow the heat from the previous event to dissipate.

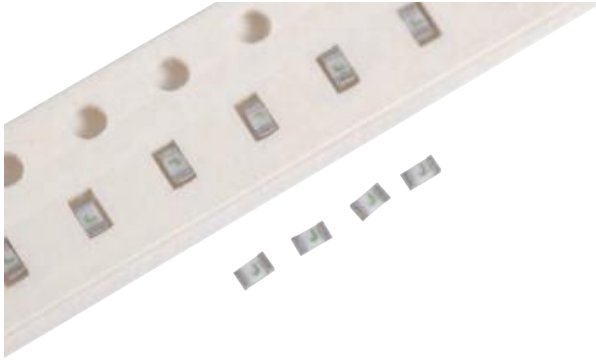
**TABLE B**

Wave shape	Formula	Wave shape	Formula
 Rectangle wave	$ia^2 ta$	 Sine wave	$(1/2)ia^2 ta$
 Trapezoid wave	$(1/3)(ia^2 + iaib + ib^2)ta$	 Distortion wave	$(1/5)ia^2 ta$
 Triangle wave	$(1/3)ia^2 ta$	 Charge or discharge wave	$(1/2)ia^2 ta$

**TESTING**

The selected sample should be tested in the actual circuit to verify the selection. The testing should include the tests under normal and fault conditions to ensure that the fuse will operate properly in the circuit.

In all kinds of electrical protection doubts, contacting our engineers are welcome. Possibly we will work with you making some special recommendations to help you solve these problems.



0603, RoHS Compliant & Pb-Free  
SURFACE MOUNT CHIP FUSE (FAST-BLOW)  
表面贴装片式保险丝 (速断型)

TECHNICAL PARAMETERS/ 技术参数:

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证				REFERENCE (A <sup>2</sup> ·Sec.) (RoHS) I <sup>2</sup> T 参考值
		UR		cUR		
		L1	L2	L1	L2	
06F-0200L	200mA	●	●	●	●	0.00056
06F-0250L	250mA	●	●	●	●	0.00078
06F-0315L	315mA	●		●		0.00083
06F-0375L	375mA	●		●		0.00115
06F-0400L	400mA	●		●		0.00135
06F-0500L	500mA	●		●		0.0069
06F-0630L	630mA	●		●		0.0072
06F-0750L	750mA	●		●		0.017
06F-0800L	800mA	●		●		0.019
06F-010L	1A	●		●		0.041
06F-012L	1.2A	●		●		0.043
06F-013L	1.25A	●		●		0.045
06F-015L	1.5A	●		●		0.078
06F-016L	1.6A	●		●		0.076
06F-020L	2A	●		●		0.130
06F-025L	2.5A	●		●		0.180
06F-030L	3.0A	●		●		0.280
06F-032L	3.15A	●		●		0.32
06F-035L	3.5A	●		●		0.361
06F-040L	4A	●		●		0.408
06F-050L	5A	●		●		1.100

● DENOTES FOR APPROVED      ● 表示已取得安全认证  
L1 DENOTES FOR 32V            L1 代表 32V  
L2 DENOTES FOR 63V            L2 代表 63V

ELECTRICAL CHARACTERISTICS/ 电气特性:

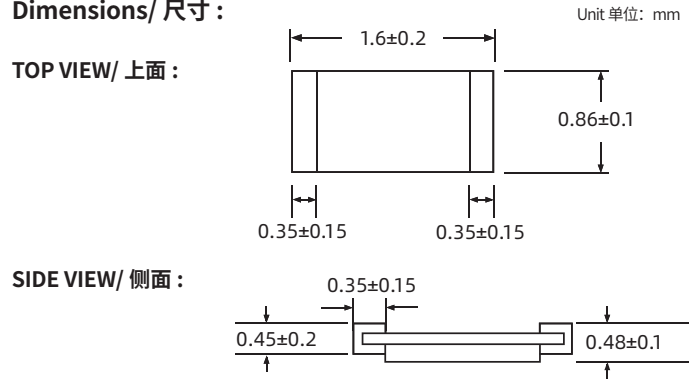
% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间
100%	4 hours Min. 最快 4 小时
250%	10 seconds Max. 最慢 10 秒 (200mA-3A)
350%	1 second Max. 最慢 1 秒 (3.15A-5A)

Standards/ 标准: UL 248-1, UL 248-14  
Operating Temperature/ 工作温度: -55°C ~125°C  
Storing Temperature/ 储存温度: -55°C ~85°C  
Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max.  
Solderability/ 可焊性: 235°C ±5°C, 3.5s±0.5/-0s

INTERRUPTING CAPACITY / 分断能力:

50A 32V AC (200mA-1A)      35A 32V AC (1.2A-5A)  
50A 63V DC (200mA-250mA)      50A 32V DC (300mA-1A)  
35A 32V DC (1.2A-5A)

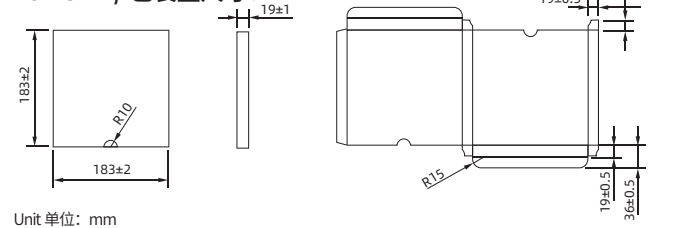
Dimensions/ 尺寸:



PACKING/ 包装:

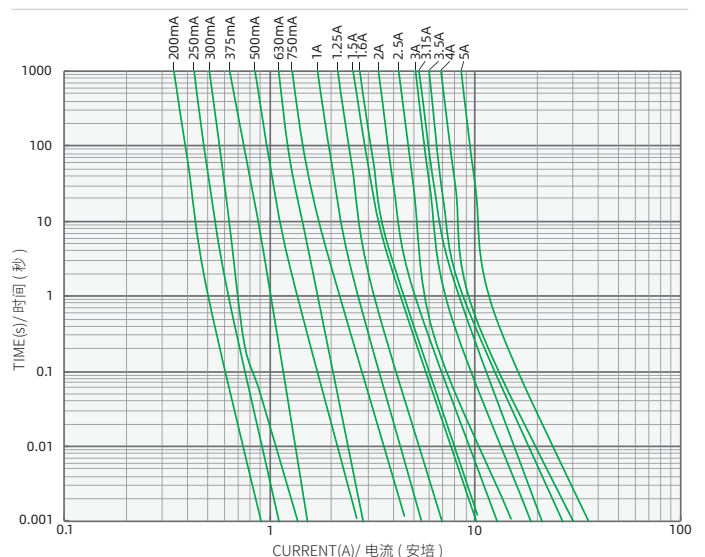
5,000 PIECES TAPED AND REELED IN ONE BOX  
每卷 5,000 只保险丝, 装入一个包装盒

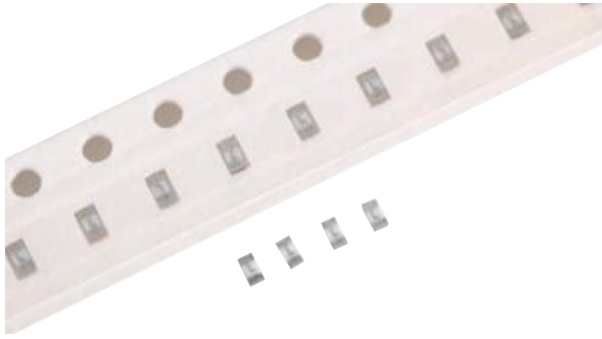
BOX SIZE/ 包装盒尺寸:



06F AVERAGE I-T CHARACTERISTICS CURVE  
(FOR REFERENCE ONLY)

06F 平均 I-T 曲线图 (仅供参考)





0603, RoHS Compliant & Pb-Free  
SURFACE MOUNT CHIP FUSE (SLOW-BLOW)  
表面贴装片式保险丝 (慢断型)

TECHNICAL PARAMETERS/ 技术参数:

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证				REFERENCE (A <sup>2</sup> ·Sec.) (RoHS) I <sup>2</sup> T 参考值
		UR		cUR		
		L1	L2	L1	L2	
06T-010L	1A	●		●		0.061
06T-012L	1.2A	●		●		0.100
06T-013L	1.25A	●		●		0.106
06T-015L	1.5A	●		●		0.145
06T-016L	1.6A	●		●		0.156
06T-020L	2A	●		●		0.265
06T-025L	2.5A	●		●		0.453
06T-030L	3A	●		●		0.952
06T-032L	3.15A	●		●		0.990
06T-035L	3.5A	●		●		1.16
06T-040L	4A	●		●		1.38
06T-050L	5A	●		●		2.53

● DENOTES FOR APPROVED      ● 表示已取得安全认证  
L1 DENOTES FOR 32V            L1 代表 32V  
L2 DENOTES FOR 63V            L2 代表 63V

ELECTRICAL CHARACTERISTICS/ 电气特性:

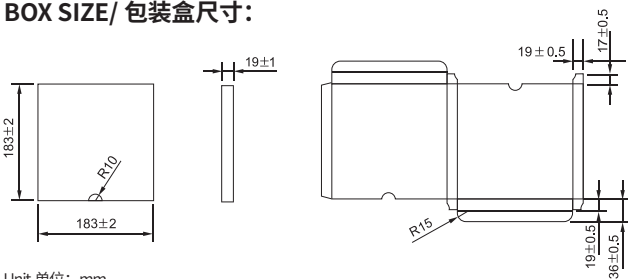
% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
200%	1 second Min. 120 seconds Max.	最快 1 秒 最慢 120 秒
300%	0.05 seconds Min. 3 seconds Max.	最快 0.05 秒 最慢 3 秒
800%	0.0005 seconds Min. 0.05 seconds Max.	最快 0.0005 秒 最慢 0.05 秒

PACKING/ 包装:

5,000 PIECES TAPED AND REELED IN ONE BOX

每卷 5,000 只保险丝, 装入一个包装盒

BOX SIZE/ 包装盒尺寸:



Unit 单位: mm

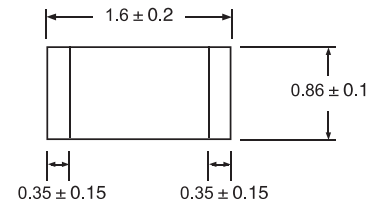
INTERRUPTING CAPACITY / 分断能力:

50A 32V AC (1A)      35A 32V AC (1.2A-5A)  
50A 32V DC (1A)      35A 32V DC (1.2A-5A)

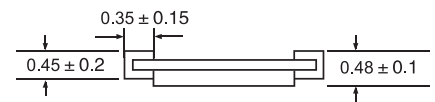
Dimensions/ 尺寸:

Unit 单位: mm

TOP VIEW/ 上面:



SIDE VIEW/ 侧面:



Standards/ 标准: UL 248-1, UL 248-14

Operating Temperature/ 工作温度: -55°C ~125°C

Storing Temperature/ 储存温度: -55°C ~85°C

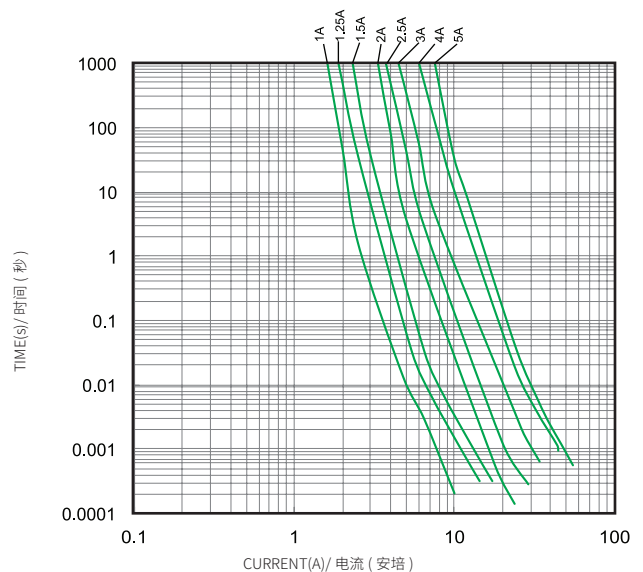
Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max.

Solderability/ 可焊性: 235°C ±5°C, 3.5s+0.5/-0s

06T AVERAGE I-T CHARACTERISTICS CURVE

(FOR REFERENCE ONLY)

06T 平均 I-T 曲线图 (仅供参考)





1206, RoHS Compliant & Pb-Free  
SURFACE MOUNT CHIP FUSE (FAST-BLOW)  
表面贴装片式保险丝 (速断型)

TECHNICAL PARAMETERS/ 技术参数:

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证						REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值
		UR			cUR			
		L1	L2	L3	L1	L2	L3	
12F-0100L	100mA	●	●		●	●	0.00034	
12F-0125L	125mA	●	●		●	●	0.00040	
12F-0150L	150mA	●	●		●	●	0.00084	
12F-0200L	200mA	●	●		●	●	0.0010	
12F-0250L	250mA	●	●		●	●	0.0014	
12F-0315L	315mA	●	●		●	●	0.0017	
12F-0375L	375mA	●	●		●	●	0.0026	
12F-0400L	400mA			●		●	0.0029	
12F-0500L	500mA			●		●	0.0049	
12F-0630L	630mA			●		●	0.012	
12F-0750L	750mA			●		●	0.015	
12F-0800L	800mA			●		●	0.025	
12F-010L	1A		●		●	●	0.042	
12F-012L	1.2A		●		●	●	0.055	
12F-013L	1.25A		●		●	●	0.055	
12F-015L	1.5A		●		●	●	0.099	
12F-016L	1.6A		●		●	●	0.108	
12F-020L	2A		●		●	●	0.114	
12F-025L	2.5A		●		●	●	0.198	
12F-030L	3A		●		●	●	0.276	
12F-032L	3.15A	●	●		●	●	0.631	
12F-035L	3.5A	●	●		●	●	0.695	
12F-040L	4A	●	●		●	●	0.784	
12F-050L	5A	●	●		●	●	1.225	
12F-063L	6.3A	●	●		●	●	1.652	
12F-070L	7A	●	●		●	●	1.890	

● DENOTES FOR APPROVED      ● 表示已取得安全认证  
 L1 DENOTES FOR 24V              L1 代表 24V  
 L2 DENOTES FOR 32V              L2 代表 32V  
 L3 DENOTES FOR 63V              L3 代表 63V

ELECTRICAL CHARACTERISTICS/ 电气特性:

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间
100%	4 hours Min.    最快 4 小时
250%	10 seconds Max.    最慢 10 秒 (100mA-5A)
350%	1 second Max.    最慢 1 秒 (6A-7A)

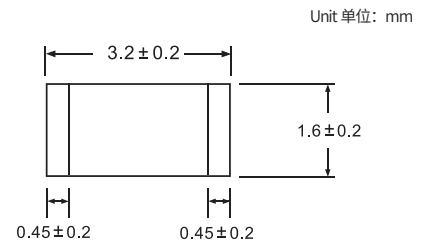
Standards/ 标准: UL 248-1, UL 248-14  
 Operating Temperature/ 工作温度: -55°C ~125°C  
 Storing Temperature/ 储存温度: -55°C ~85°C  
 Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max.  
 Solderability/ 可焊性: 235°C ±5°C, 3.5s±0.5/-0s

INTERRUPTING CAPACITY / 分断能力:

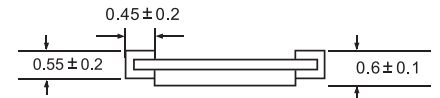
50A 32V AC (100mA-375mA)      50A 63V AC (400mA-3A)  
 35A 24V AC (3.15A-7A)          50A 63V DC (100mA-3A)  
 50A 32V DC (3.15A-7A)

Dimensions/ 尺寸:

TOP VIEW/ 上面:



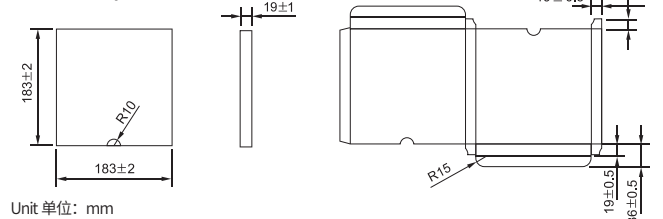
SIDE VIEW/ 侧面:



PACKING/ 包装:

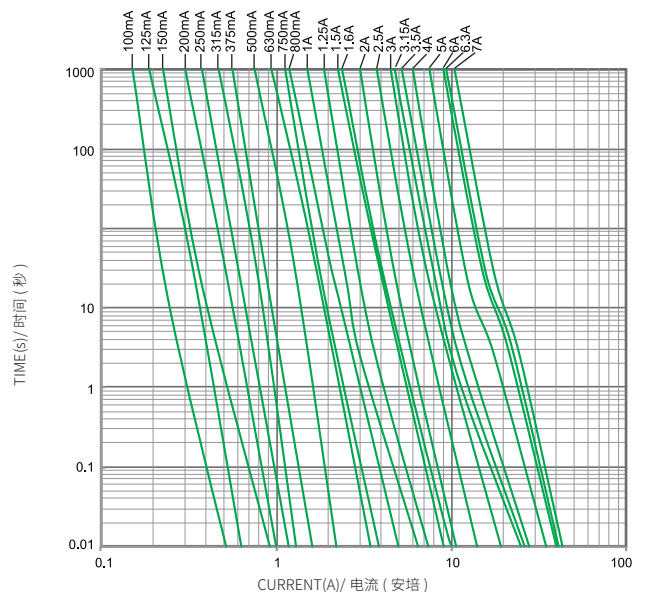
5,000 PIECES TAPED AND REELED IN ONE BOX  
 每卷 5,000 只保险丝, 装入一个包装盒

BOX SIZE/ 包装盒尺寸:



12F AVERAGE I-T CHARACTERISTICS CURVE  
 (FOR REFERENCE ONLY)

12F 平均 I-T 曲线图 (仅供参考)





1206, RoHS Compliant & Pb-Free  
SURFACE MOUNT CHIP FUSE (SLOW-BLOW)  
表面贴装片式保险丝 (慢断型)

TECHNICAL PARAMETERS/ 技术参数:

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证						REFERENCE (A°.Sec.) (RoHS) I-T 参考值
		UR			cUR			
		L1	L2	L3	L1	L2	L3	
12T-0500L	500mA			●			●	0.0182
12T-0630L	630mA			●			●	0.0418
12T-0750L	750mA			●			●	0.0684
12T-0800L	800mA			●			●	0.0699
12T-010L	1A			●			●	0.110
12T-013L	1.25A			●			●	0.125
12T-015L	1.5A			●			●	0.170
12T-016L	1.6A			●			●	0.190
12T-020L	2A			●			●	0.250
12T-025L	2.5A			●			●	0.900
12T-030L	3A			●			●	1.300
12T-032L	3.15A	●	●		●	●		1.401
12T-035L	3.5A	●	●		●	●		1.714
12T-040L	4A	●	●		●	●		2.025
12T-050L	5A	●	●		●	●		4.225
12T-063L	6.3A	●	●		●	●		5.404
12T-070L	7A	●	●		●	●		6.305

- DENOTES FOR APPROVED      ● 表示已取得安全认证
- L1 DENOTES FOR 24V            L1 代表 24V
- L2 DENOTES FOR 32V            L2 代表 32V
- L3 DENOTES FOR 63V            L3 代表 63V

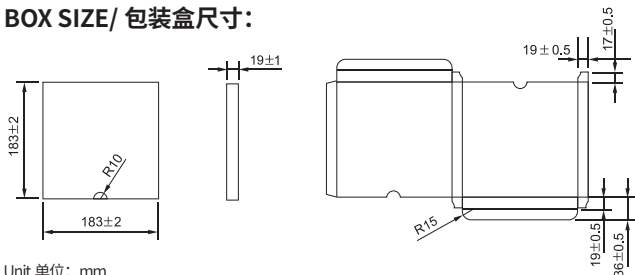
ELECTRICAL CHARACTERISTICS/ 电气特性:

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
200%	1-120 seconds	1-120 秒
300%	0.05-3.00 seconds	0.05-3.00 秒
800%	0.0015-0.05 seconds	0.0015-0.05 秒

PACKING/ 包装:

5,000 PIECES TAPED AND REELED IN ONE BOX  
每卷 5,000 只保险丝, 装入一个包装盒

BOX SIZE/ 包装盒尺寸:



Unit 单位: mm

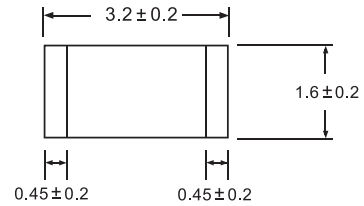
INTERRUPTING CAPACITY / 分断能力:

50A 63V AC (500mA-3A)      35A 24V AC (3.15A-7A)  
50A 63V DC (500mA-3A)      50A 32V DC (3.15A-7A)

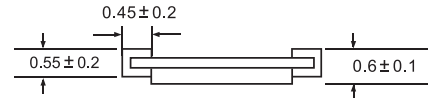
Dimensions/ 尺寸

Unit 单位: mm

TOP VIEW/ 上面:



SIDE VIEW/ 侧面:



Standards/ 标准: UL 248-1, UL 248-14

Operating Temperature/ 工作温度: -55°C ~125°C

Storing Temperature/ 储存温度: -55°C ~85°C

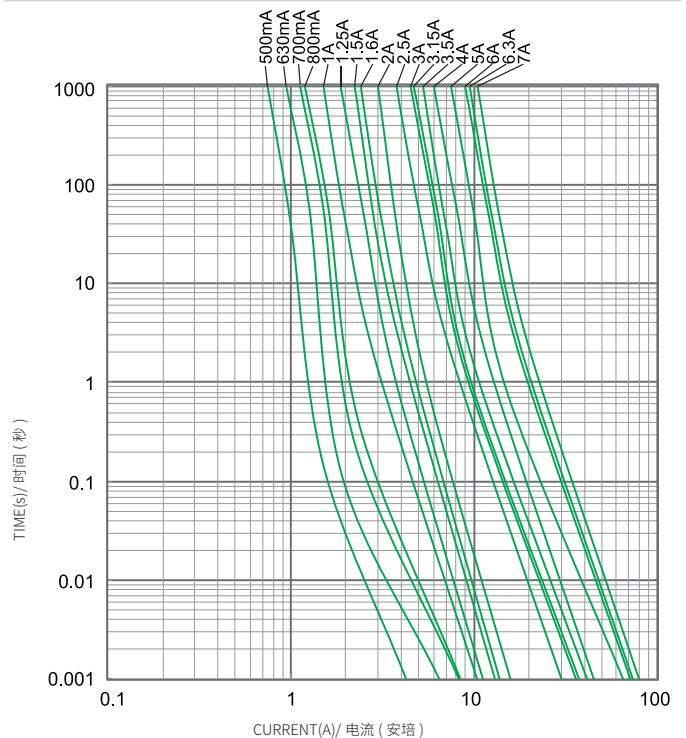
Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max.

Solderability/ 可焊性: 235°C ±5°C, 3.5s+0.5/-0s

12T AVERAGE I-T CHARACTERISTICS CURVE

(FOR REFERENCE ONLY)

12T 平均 I-T 曲线图 (仅供参考)





2410, RoHS Compliant & Pb-Free  
SMD NANO FUSE (FAST-BLOW)  
方型超微表面贴片式保险丝 (速断型)

INTERRUPTING CAPACITY / 分断能力:

50A at 250V AC (200mA-10A), 50A at 125V AC/DC (12A-20A, 1A-5A),  
100A at 125V AC/DC (200mA-10A), 100A at 65V DC (12A-20A), 100A at  
250V AC(1A-5A)

TECHNICAL PARAMETERS/ 技术参数:

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证						REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值
		CQC		UR/cUR			TUV	
		H	L1	H	L1	L2	H	
25F -0200H/L1	200mA			●	●			0.008
25F -0250H/L1	250mA			●	●			0.012
25F -0315H/L1	315mA			●	●			0.031
25F -0375H/L1	375mA			●	●			0.067
25F -0400H/L1	400mA			●	●			0.073
25F -0500H/L1	500mA			●	●			0.101
25F -0630H/L1	630mA			●	●			0.188
25F -0750H/L1	750mA			●	●			0.315
25F -0800H/L1	800mA			●	●			0.335
25F -010H/L1	1A	●	●	●	●		●	0.34
25F -012H/L1	1.2A			●	●			0.49
25F -013H/L1	1.25A	●	●	●	●		●	0.52
25F -015H/L1	1.5A			●	●			0.93
25F -016H/L1	1.6A	●	●	●	●		●	0.97
25F -020H/L1	2A	●	●	●	●		●	1.92
25F -025H/L1	2.5A	●	●	●	●		●	3.38
25F -030H/L1	3A			●	●			3.95
25F -032H/L1	3.15A	●	●	●	●		●	4.01
25F -035H/L1	3.5A			●	●			5.26
25F -040H/L1	4A	●	●	●	●		●	7.81
25F -050H/L1	5A	●	●	●	●		●	12.22
25F -063H/L1	6.3A			●	●			7.01
25F -070H/L1	7A			●	●			8.36
25F -080H/L1	8A			●	●			12.81
25F -100H/L1	10A			●	●			19.03
25F -120L1/L2	12A			●	●	●		35.62
25F -150L1/L2	15A			●	●	●		70.997
25F -200L1/L2	20A			●	●	●		102.3

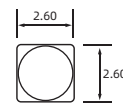
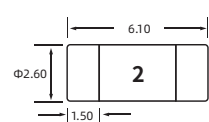
● DENOTES FOR APPROVED      ● 表示已取得安全认证  
H DENOTES FOR 250V            H 代表 250V  
L1 DENOTES FOR 125V        L1 代表 125V  
L2 DENOTES FOR 65V         L2 代表 65V

ELECTRICAL CHARACTERISTICS/ 电气特性:

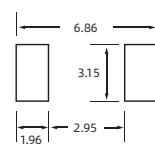
% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min. 最快 4 小时	(200mA-20A)
125%	1 hours Min. 最快 1 小时	(1A-5A)
200%	5 seconds Max. 最慢 5 秒	(200mA-10A)
	20 seconds Max. 最慢 20 秒	(12A-20A)
1000%	0.001S-0.01S	(1A-5A)

Standards/ 标准: UL 248-1, UL 248-14  
Operating Temperature/ 工作温度: -55°C ~125°C  
Storing Temperature/ 储存温度: -55°C ~85°C  
Resistance to soldering heat/ 耐焊接热性: 240°C ±5°C, 30s±5s  
Solderability/ 可焊性: MIL-STD-202, Method 208

Dimensions/ 尺寸



Land Pattern:

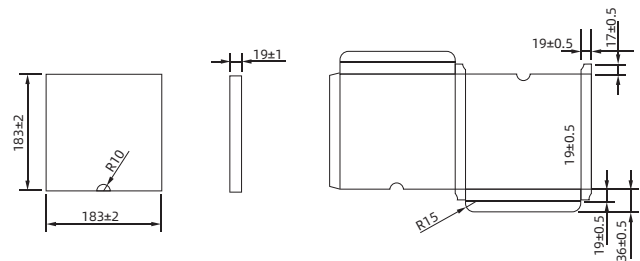


Unit 单位: mm

PACKING/ 包装:

1,000 PIECES TAPED AND REELED IN ONE BOX  
每卷 1,000 只保险丝, 装入一个包装盒

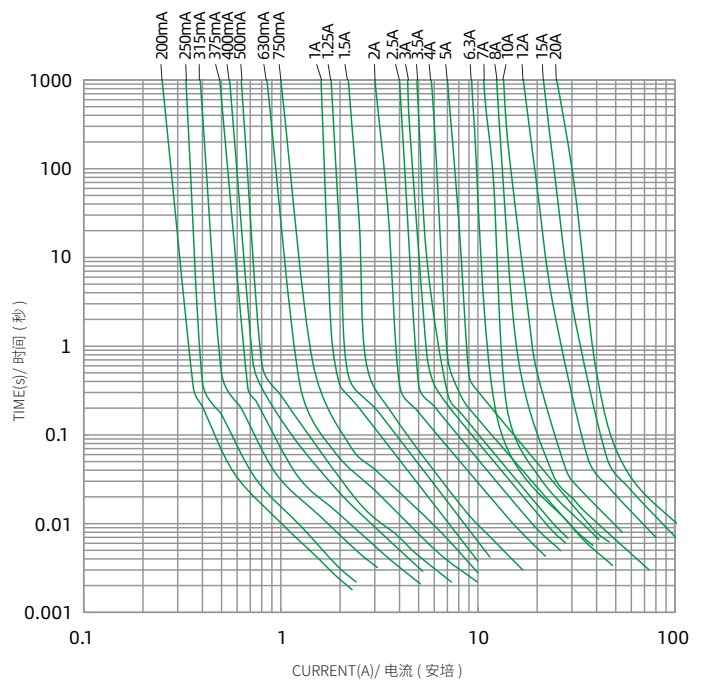
BOX SIZE/ 包装盒尺寸:

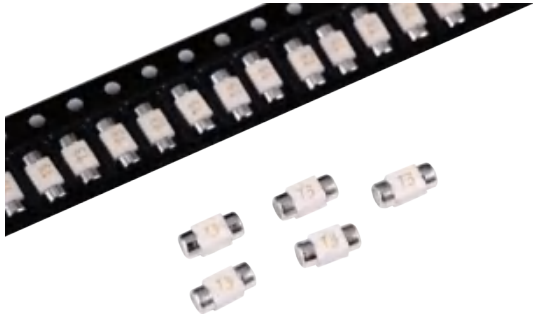


Unit 单位: mm

25F AVERAGE I-T CHARACTERISTICS CURVE  
(FOR REFERENCE ONLY)

25F 平均 I-T 曲线图 (仅供参考)





2410, RoHS Compliant & Pb-Free  
SMD NANO FUSE (SLOW-BLOW)  
方型超微表面贴片式保险丝 (慢断型)

**INTERRUPTING CAPACITY / 分断能力:**

50A at 250V AC (200mA-5A)  
100A at 125V AC/DC (200mA-5A)

**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证	REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值
		UR/cUR	
25T-0200H/L	200mA	●	0.06
25T-0250H/L	250mA	●	0.08
25T-0315H/L	315mA	●	0.130
25T-0375H/L	375mA	●	0.186
25T-0400H/L	400mA	●	0.210
25T-0500H/L	500mA	●	0.329
25T-0630H/L	630mA	●	0.532
25T-0750H/L	750mA	●	0.845
25T-0800H/L	800mA	●	1.16
25T-010H/L	1A	●	1.88
25T-012H/L	1.2A	●	3.10
25T-013H/L	1.25A	●	3.56
25T-015H/L	1.5A	●	4.49
25T-016H/L	1.6A	●	4.98
25T-020H/L	2A	●	5.18
25T-025H/L	2.5A	●	10.66
25T-030H/L	3A	●	14.01
25T-032H/L	3.15A	●	15.04
25T-035H/L	3.5A	●	15.51
25T-040H/L	4A	●	24.22
25T-050H/L	5A	●	32.39

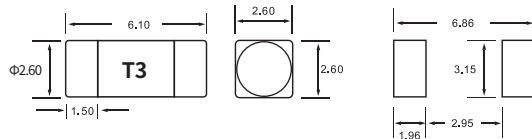
● DENOTES FOR APPROVED      ● 表示已取得安全认证  
H DENOTES FOR 250V      H 代表 250V  
L DENOTES FOR 125V      L 代表 125V

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
200%	1-60 seconds	1-60 秒
300%	0.2-3 seconds	0.2-3 秒
800%	0.01-0.1 seconds	0.01-0.1 秒

**Standards/ 标准:** UL 248-1, UL 248-14  
**Operating Temperature/ 工作温度:** -55°C ~125°C  
**Storing Temperature/ 储存温度:** -55°C ~85°C  
**Resistance to soldering heat/ 耐焊接热性:** 240°C ±5°C, 30s±5s  
**Solderability/ 可焊性:** MIL-STD-202, Method 208

**Dimensions/ 尺寸**



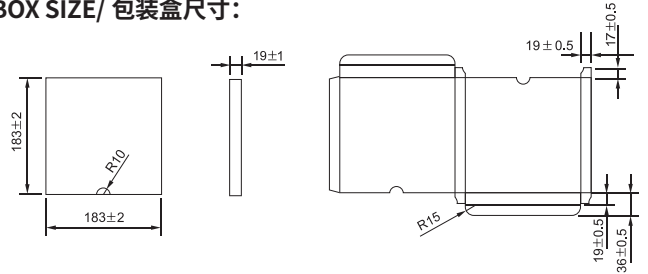
**Land Pattern:**

Unit 单位: mm

**PACKING/ 包装:**

1,000 PIECES TAPED AND REELED IN ONE BOX  
每卷 1,000 只保险丝, 装入一个包装盒

**BOX SIZE/ 包装盒尺寸:**

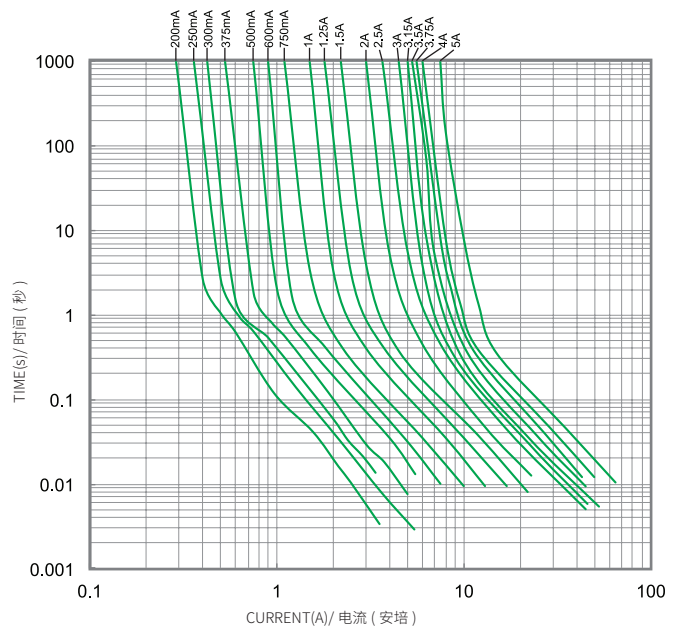


Unit 单位: mm

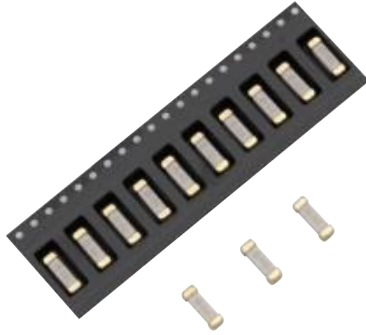
**25T AVERAGE I-T CHARACTERISTICS CURVE**

(FOR REFERENCE ONLY)

**25T 平均 I-T 曲线图 (仅供参考)**







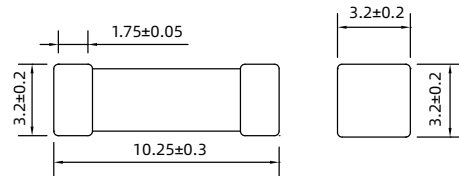
1032, RoHS Compliant  
SMD NANO FUSE (FAST-BLOW)  
方型超微表面贴片式保险丝 (速断型)

**INTERRUPTING CAPACITY / 分断能力:**

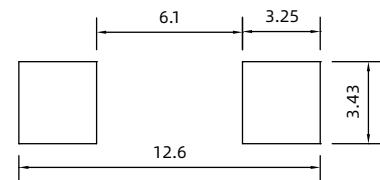
200A at 250V AC、300A at 125V DC  
1000A at 32V DC、600A at 75V DC

**Dimensions/ 尺寸**

Unit 单位: mm



**Land Pattern:**



**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	RATED VOLTAGE 额定电压	SAFETY APPROVALS 安全认证					REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值
			cURus				PSE	
			H	L	L1	L2	H	
3NF-050H/L/L1/L2	5A		●	●	●	●		
3NF-063H/L/L1/L2	6.3A		●	●	●	●	●	
3NF-080H/L/L1/L2	8A		●	●	●	●	●	
3NF-100H/L/L1/L2	10A		●	●	●	●	●	
3NF-120H/L/L1/L2	12A		●	●	●	●	●	
3NF-150H/L/L1/L2	15A		●	●	●	●	●	
3NF-160H/L/L1/L2	16A	250V AC 125V DC	●	●	●	●	●	307
3NF-200H/L/L1/L2	20A	75V DC 32V DC	●	●	●	●	●	961
3NF-250H/L/L1/L2	25A		●	●	●	●	●	963
3NF-300H/L/L1/L2	30A		●	●	●	●	●	784
3NF-350H/L/L1/L2	35A		●	●	●	●	●	1167
3NF-400H/L/L1/L2	40A		●	●	●	●	●	1400
3NF-500H/L/L1/L2	50A		●	●	●	●	●	2116
3NF-600H/L/L1/L2	60A		●	●	●	●	●	5000

● DENOTES FOR APPROVED

H DENOTES FOR 250V

L DENOTES FOR 125V

L1 DENOTES FOR 125V

L2 DENOTES FOR 65V

● 表示已取得安全认证

H 代表 250V

L 代表 125V

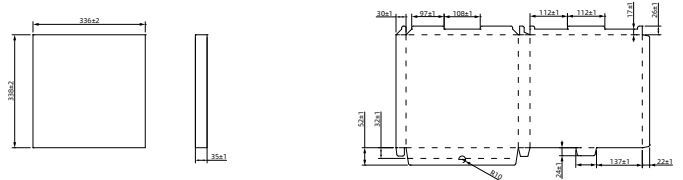
L1 代表 75V

L2 代表 32V

**PACKING/ 包装:**

2,000 PIECES TAPED AND REELED IN ONE BOX

每卷 2,000 只保险丝, 装入一个包装盒

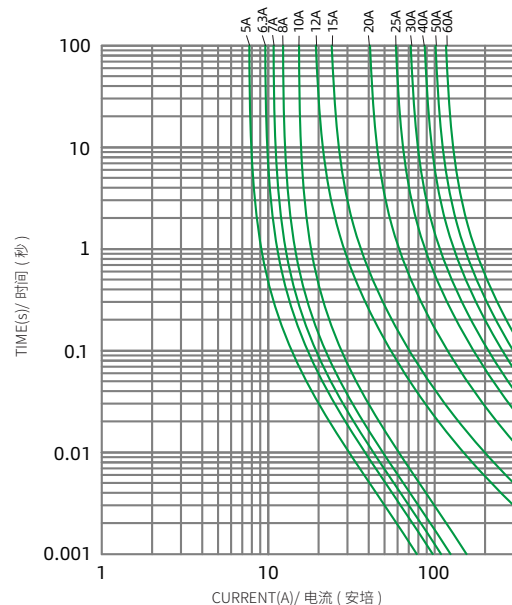


Unit 单位: mm

**3NF THE AVERAGE I-T CHARACTERISTICS CURVE**

(FOR REFERENCE ONLY)

**3NF 平均 I-T 曲线图 (仅供参考)**



**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
200%	60 seconds Max.	最慢 60 秒

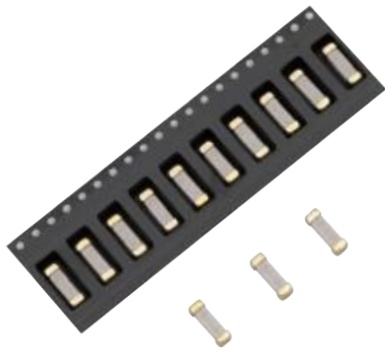
标准: UL 248-1, UL 248-14

工作温度 Operating Temperature: -55°C~ +125°C.

储存温度 Storing Temperature: -55°C~ +85°C.

可焊性: IEC 标准 IEC60068-2-58

耐焊接热性: IEC 标准 IEC60068-2-58



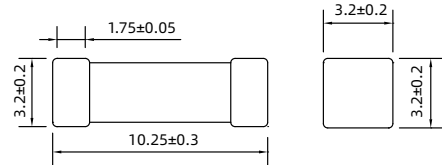
1032, RoHS Compliant  
SMD NANO FUSE (SLOW-BLOW)  
方型超微表面贴片式保险丝 (慢断型)

**INTERRUPTING CAPACITY / 分断能力:**

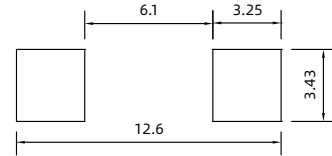
50A at 250V AC  
100A at 125V AC/DC

**Dimensions/ 尺寸**

Unit 单位: mm



**Land Pattern:**



**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	RATED VOLTAGE 额定电压	SAFETY APPROVALS 安全认证	
			cURus H	L
3NT-0200H/L	200mA		●	●
3NT-0250H/L	250mA		●	●
3NT-0320H/L	315mA		●	●
3NT-0400H/L	400mA		●	●
3NT-0500H/L	500mA		●	●
3NT-0630H/L	630mA		●	●
3NT-0800H/L	800mA		●	●
3NT-010H/L	1A		●	●
3NT-013H/L	1.25A	125V DC 125V AC	●	●
3NT-016H/L	1.6A	250V AC	●	●
3NT-020H/L	2A		●	●
3NT-025H/L	2.5A		●	●
3NT-032H/L	3.15A		●	●
3NT-040H/L	4A		●	●
3NT-050H/L	5A		●	●
3NT-063H/L	6.3A		●	●
3NT-080H/L	8A		●	●
3NT-100H/L	10A		●	●

● DENOTES FOR APPROVED      ● 表示已取得安全认证  
H DENOTES FOR 250V          H 代表 250V  
L DENOTES FOR 125V          L 代表 125V

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
200%	120 seconds Max.	最慢 120 秒

Standards/ 标准: UL 248-1, UL 248-14

工作温度 Operating Temperature: -55°C~ +125°C.

储存温度 Storing Temperature: -55°C~ +85°C.

可焊性: IEC 标准 IEC60068-2-58

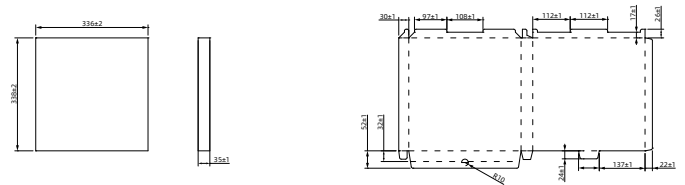
耐焊接热性: IEC 标准 IEC60068-2-58

**PACKING/ 包装:**

2,000 PIECES TAPED AND REELED IN ONE BOX

每卷 2,000 只保险丝, 装入一个包装盒

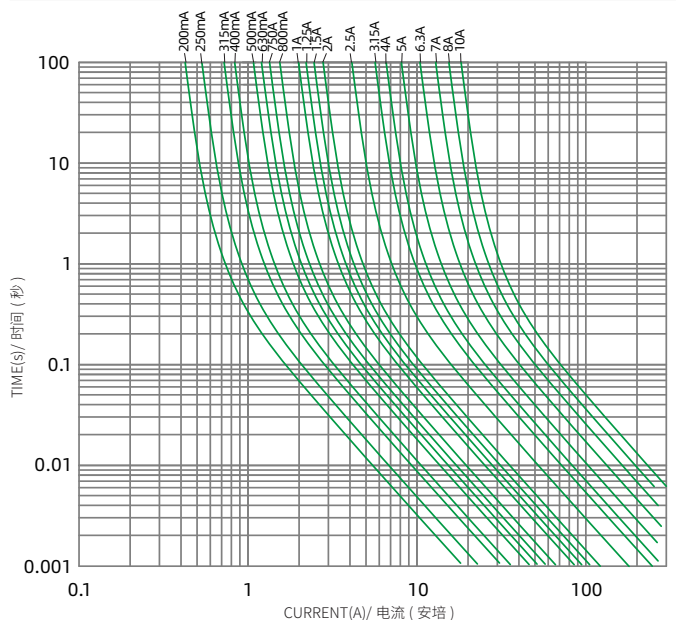
**BOX SIZE/ 包装盒尺寸:**



Unit 单位: mm

**3NT THE AVERAGE I-T CHARACTERISTICS CURVE  
(FOR REFERENCE ONLY)**

**3NT 平均 I-T 特性曲线图 (仅供参考)**





RoHS Compliant & Pb-Free  
SMD NANO FUSE (SLOW-BLOW)  
方型超微表面贴片式保险丝 (慢断型)

**INTERRUPTING CAPACITY / 分断能力:**

150A at 250V AC/DC  
500A at 125V AC/DC

**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证	REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值
		UR/cUR	
4NT-0500H/L	500mA	●	1.30
4NT-0630H/L	630mA	●	2.15
4NT-0800H/L	800mA	●	3.60
4NT-010H/L	1A	●	7.20
4NT-013H/L	1.25A	●	13.00
4NT-016H/L	1.6A	●	16.24
4NT-020H/L	2A	●	28.00
4NT-025H/L	2.5A	●	50.00
4NT-032H/L	3.15A	●	85.00
4NT-035H/L	3.5A	●	112.00
4NT-040H/L	4A	●	141.00
4NT-050H/L	5A	●	190.00

● DENOTES FOR APPROVED      ● 表示已取得安全认证  
H DENOTES FOR 250V            H 代表 250V  
L DENOTES FOR 125V            L 代表 125V

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
250%	60s Max.	最慢 60 秒

**Standards/ 标准:** UL 248-1, UL 248-14

**Operating Temperature/ 工作温度:** -55°C ~90°C

**Storing Temperature/ 储存温度:** -55°C ~85°C

**Resistance to soldering heat/ 耐焊接热性:** 260°C ±5°C, 10sMax

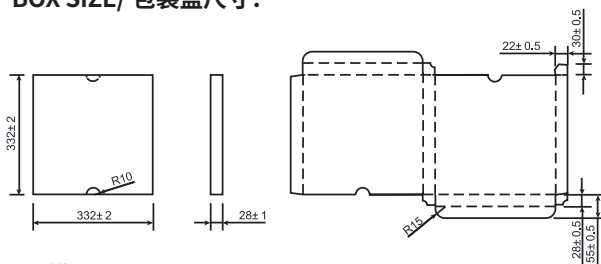
**Solderability/ 可焊性:** 235°C ±5°C, 3.5+0.5/-0s

**PACKING/ 包装:**

1,500 PIECES TAPED AND REELED IN ONE BOX

每卷 1,500 只保险丝, 装入一个包装盒

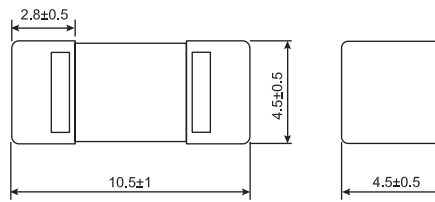
**BOX SIZE/ 包装盒尺寸:**



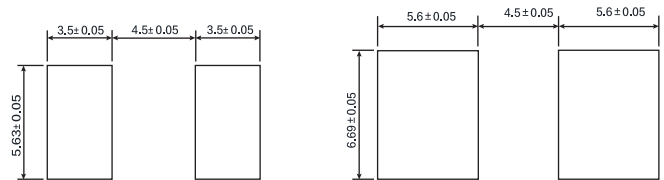
Unit 单位: mm

**Dimensions/ 尺寸**

Unit 单位: mm



**Land Pattern:**



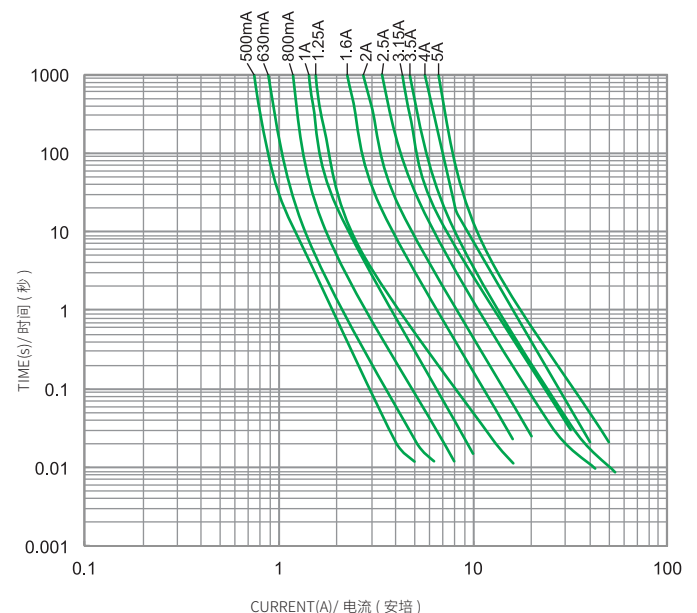
Recommended reflow pad layout

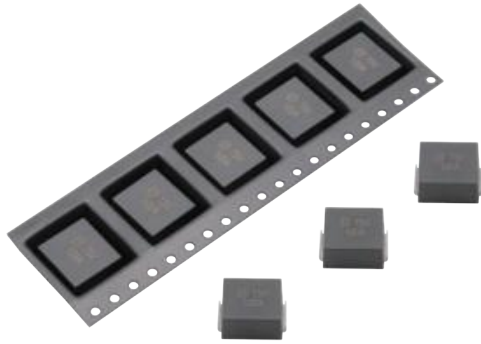
Recommended wave pad layout

**4NT AVERAGE I-T CHARACTERISTICS CURVE**

(FOR REFERENCE ONLY)

**4NT 平均 I-T 曲线图 (仅供参考)**





**10NF**

RoHS Compliant & Pb-Free  
**SMD NANO FUSE (FAST-BLOW)**  
 方型超微表面贴片式保险丝 (速断型)

**INTERRUPTING CAPACITY / 分断能力:**

- 500A at 115V DC
- 1000A at 100V DC
- 1500A at 75V DC
- 3500A at 32V DC
- 500A at 250V AC

**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证					REFERENCE (A <sup>2</sup> ·Sec.) (RoHS) IT 参考值
		cURus					
		H	L1	L2	L3	L4	
10NF-300	30A	●	●	●	●	●	
10NF-400	40A	●	●	●	●	●	
10NF-500	50A	●	●	●	●	●	
10NF-600	60A	●	●	●	●	●	1050
10NF-700	70A	●	●	●	●	●	1400
10NF-800	80A	●	●	●	●	●	3000
10NF-900	90A	●	●	●	●	●	4300
10NF-1000	100A	●	●	●	●	●	6900

- DENOTES FOR APPROVED
- H DENOTES FOR 250V AC
- L1 DENOTES FOR 115V DC
- L2 DENOTES FOR 100V DC
- L3 DENOTES FOR 75V DC
- L4 DENOTES FOR 32V DC
- 表示已取得安全认证
- H 代表 250V AC
- L1 代表 115V DC
- L2 代表 100V DC
- L3 代表 75V DC
- L4 代表 32V DC

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
200%	60 seconds Max.	最慢 60 秒

**Standards/ 标准:** UL 248-1, UL 248-14,

**工作温度:** -55°C ~ +100°C.

**可焊性:** IEC 标准 IEC60068-2-58

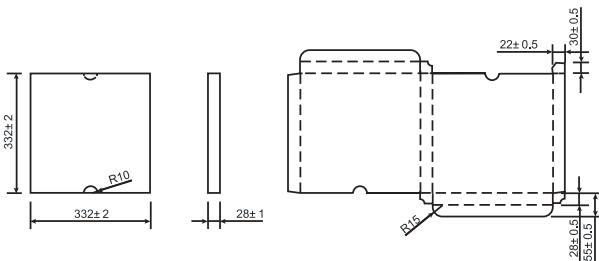
**耐焊接热性:** IEC 标准 IEC60068-2-58

**PACKING/ 包装:**

500 PIECES TAPED AND REELED IN ONE BOX

每卷 500 只保险丝, 装入一个包装盒

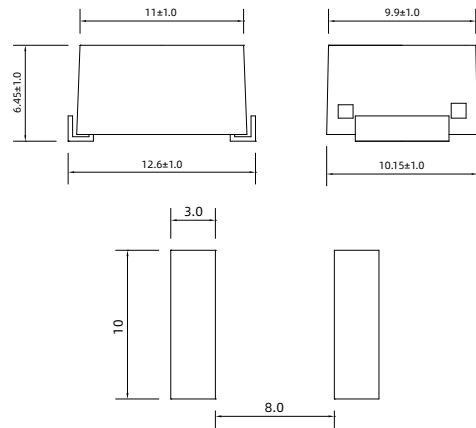
**BOX SIZE/ 包装盒尺寸:**



Unit 单位: mm

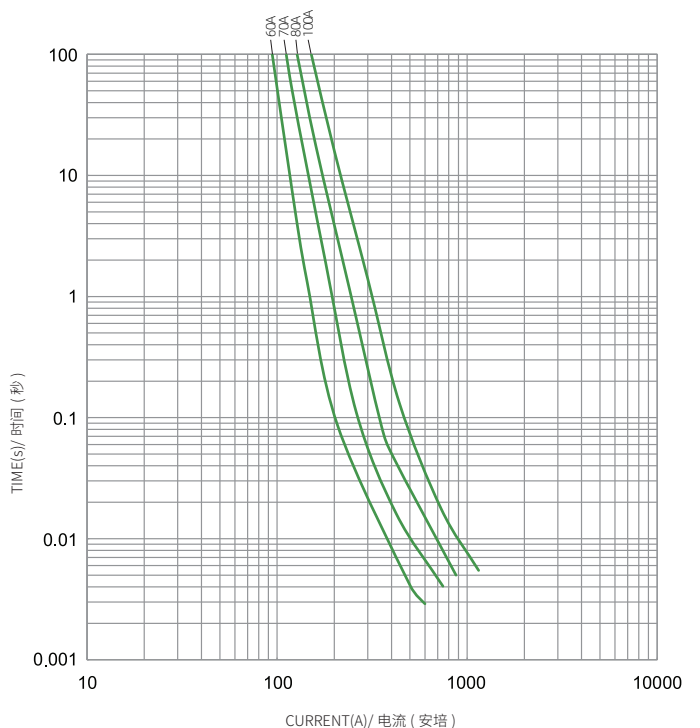
**Dimensions/ 尺寸**

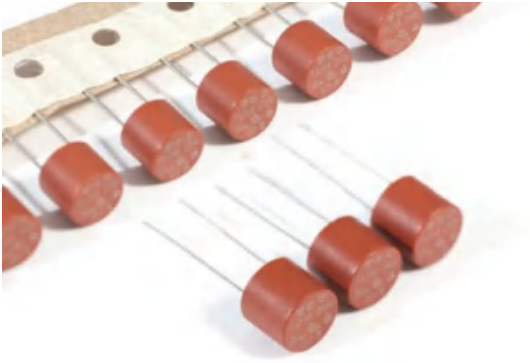
Unit 单位: mm



**10NF THE AVERAGE I-T CHARACTERISTICS CURVE  
 (FOR YOUR REFERENCE)**

**10NF 平均 I-T 特性曲线图 (仅供参考)**





Φ8x8.5mm, RoHS Compliant & Pb-Free  
**RADIAL LEAD MICROFUSE (TIME-LAG)**  
 径向引线式保险丝管 (慢断型)

PATENT NO. 专利号 :ZL 200620053742.1

**BREAKING CAPACITY / 分断能力:**

CCC / SEMKO / VDE / cURus / BSI / KTL:

35A OR 10In 250V AC WHICHEVER IS GREATER

PSE: 100A 250V AC, cURus: 50A 300V AC, 50A 125V DC

**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	Max. VOLTAGE DROP (mv) 最大电压降	SAFETY APPROVALS 安全认证										REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值
			CCC	SEMKO	VDE	cURus			BSI	PSE	KC		
			H	H	H	H <sub>1</sub>	H	L	H	H <sub>1</sub>	H	H	
5RT-0100H <sub>1</sub> /H/L	100mA	350	●	●	●	●	●	●	●	●	●	●	0.02623
5RT-0125H <sub>1</sub> /H/L	125mA	300	●	●	●	●	●	●	●	●	●	●	0.04499
5RT-0160H <sub>1</sub> /H/L	160mA	280	●	●	●	●	●	●	●	●	●	●	0.08755
5RT-0200H <sub>1</sub> /H/L	200mA	260	●	●	●	●	●	●	●	●	●	●	0.1181
5RT-0250H <sub>1</sub> /H/L	250mA	240	●	●	●	●	●	●	●	●	●	●	0.2030
5RT-0315H <sub>1</sub> /H/L	315mA	220	●	●	●	●	●	●	●	●	●	●	0.3597
5RT-0400H <sub>1</sub> /H/L	400mA	200	●	●	●	●	●	●	●	●	●	●	0.6893
5RT-0500H <sub>1</sub> /H/L	500mA	190	●	●	●	●	●	●	●	●	●	●	1.232
5RT-0630H <sub>1</sub> /H/L	630mA	180	●	●	●	●	●	●	●	●	●	●	2.185
5RT-0800H <sub>1</sub> /H/L	800mA	160	●	●	●	●	●	●	●	●	●	●	2.987
5RT-010H <sub>1</sub> /H/L	1A	140	●	●	●	●	●	●	●	●	●	●	6.319
5RT-013H <sub>1</sub> /H/L	1.25A	130	●	●	●	●	●	●	●	●	●	●	12.23
5RT-016H <sub>1</sub> /H/L	1.6A	120	●	●	●	●	●	●	●	●	●	●	22.03
5RT-020H <sub>1</sub> /H/L	2A	100	●	●	●	●	●	●	●	●	●	●	43.08
5RT-025H <sub>1</sub> /H/L	2.5A	100	●	●	●	●	●	●	●	●	●	●	50.05
5RT-032H <sub>1</sub> /H/L	3.15A	100	●	●	●	●	●	●	●	●	●	●	73.53
5RT-040H <sub>1</sub> /H/L	4A	100	●	●	●	●	●	●	●	●	●	●	88.16
5RT-050H <sub>1</sub> /H/L	5A	100	●	●	●	●	●	●	●	●	●	●	152.0
5RT-063H <sub>1</sub> /H/L	6.3A	100	●	●	●	●	●	●	●	●	●	●	255.7

● DENOTES FOR APPROVED

H<sub>1</sub> DENOTES FOR 300V

H DENOTES FOR 250V

L DENOTES FOR 125V

● 表示已取得安全认证

H<sub>1</sub> 代表 300V

H 代表 250V

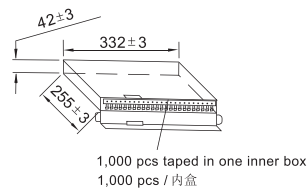
L 代表 125V

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

RATING 额定		BLOWING TIME 熔断时间
2.1In	Max. 最慢	2 minutes
	Min. 最快	400 ms
2.75In	Max. 最慢	10 seconds
	Min. 最快	150 ms
4In	Max. 最慢	3 seconds
	Min. 最快	20 ms
10In	Max. 最慢	150 ms

**PACKING/ 包装:**

1. INNER BOX/ 内盒 : AMMO PACK



Unit 单位: mm

2. OUTER CARTON/ 外箱 : 10 INNER BOXES / CARTON  
 CARTON SIZE / 尺寸: L470x W355 x H285(mm)

**Dimensions/ 尺寸:**

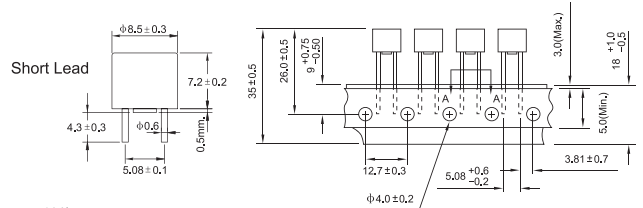
散装规格: 5RT-XXXHB

**TAPING SPECIFICATIONS /**

编带规格 :5RT-XXXHA

MATERIALS: THERMOPLASTIC, UL94-V0

主体材料: 阻燃塑料, UL94-V0



Unit 单位: mm

**Standards/ 标准: IEC 60127, GB 9364**

**Operating Temperature/ 工作温度: -55°C ~125°C**

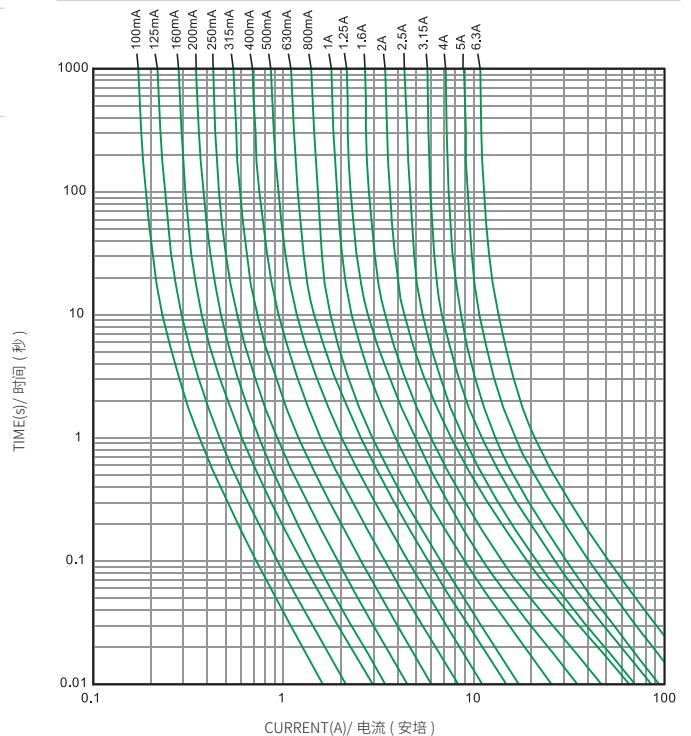
**Storing Temperature/ 储存温度: -55°C ~85°C**

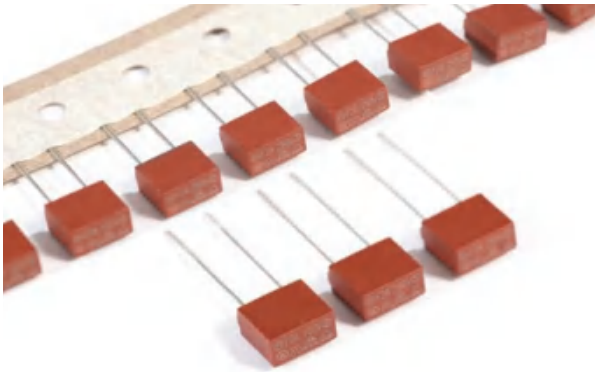
**Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max.**

**Solderability/ 可焊性: 245°C ±5°C, 5s ±0.5s**

**5RT AVERAGE I-T CHARACTERISTICS CURVE (FOR REFERENCE ONLY)**

**5RT 平均 I-T 曲线图 (仅供参考)**





## 8x8.5x4mm, RoHS Compliant & Pb-Free RADIAL LEAD MICROFUSE (QUICK-ACTING) 径向引线式保险丝管 (速断型)

PATENT NO. 专利号 :ZL 200620053742.1

### BREAKING CAPACITY / 分断能力:

CCC / SEMKO / VDE / cURus / BSI:  
35A OR 10In 250V AC WHICHEVER IS GREATER  
PSE: 100A 250V AC

### TECHNICAL PARAMETERS/ 技术参数:

PART NO. 目录编号	CURRENT RATING 额定电流	Max. VOLTAGE DROP (mv) 最大电压降	SAFETY APPROVALS 安全认证					REFERENCE (A°.Sec.) (RoHS) I <sup>2</sup> T 参考值
			CCC	SEMKO	VDE	cURus	PSE	
5EF-0315H	315mA	400	●	●	●	●	0.02301	
5EF-0400H	400mA	370	●	●	●	●	0.03848	
5EF-0500H	500mA	350	●	●	●	●	0.06059	
5EF-0630H	630mA	320	●	●	●	●	0.08831	
5EF-0800H	800mA	300	●	●	●	●	0.1947	
5EF-010H	1A	280	●	●	●	●	0.3133	
5EF-013H	1.25A	280	●	●	●	●	0.5169	
5EF-016H	1.6A	250	●	●	●	●	0.9379	
5EF-020H	2A	240	●	●	●	●	1.542	
5EF-025H	2.5A	200	●	●	●	●	2.555	
5EF-032H	3.15A	180	●	●	●	●	2.085	
5EF-040H	4A	160	●	●	●	●	2.816	
5EF-050H	5A	150	●	●	●	●	5.473	
5EF-063H	6.3A	150	●	●	●	●	10.31	

● DENOTES FOR APPROVED  
H DENOTES FOR 250V

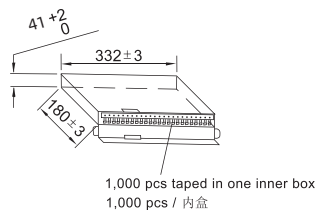
● 表示已取得安全认证  
H 代表 250V

### ELECTRICAL CHARACTERISTICS/ 电气特性:

RATING 额定		BLOWING TIME 熔断时间
2.1In	Max. 最慢	30 minutes
2.75In	Min. 最快	10 ms
	Max. 最慢	3 seconds
4In	Min. 最快	3 ms
	Max. 最慢	300 ms
10In	Max. 最慢	20 ms

### PACKING/ 包装:

1. INNER BOX/ 内盒 : AMMO PACK

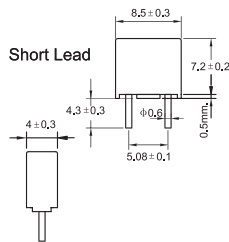


Unit 单位: mm

2. OUTER CARTON/ 外箱 : 10 INNER BOXES / CARTON  
CARTON SIZE / 尺寸 : L440x W348 x H205(mm)

### Dimensions/ 尺寸:

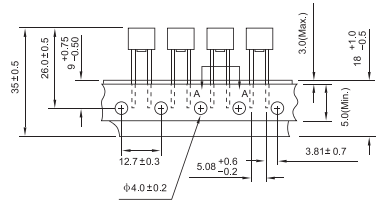
散装规格: 5EF-XXXHB



### TAPING SPECIFICATIONS / 编带规格: 5EF-XXXHA

Unit 单位: mm

MATERIALS: THERMOPLASTIC, UL94-V0  
主体材料: 阻燃塑料, UL94-V0



### Standards/ 标准: IEC 60127, GB 9364

Operating Temperature/ 工作温度: -55°C ~125°C

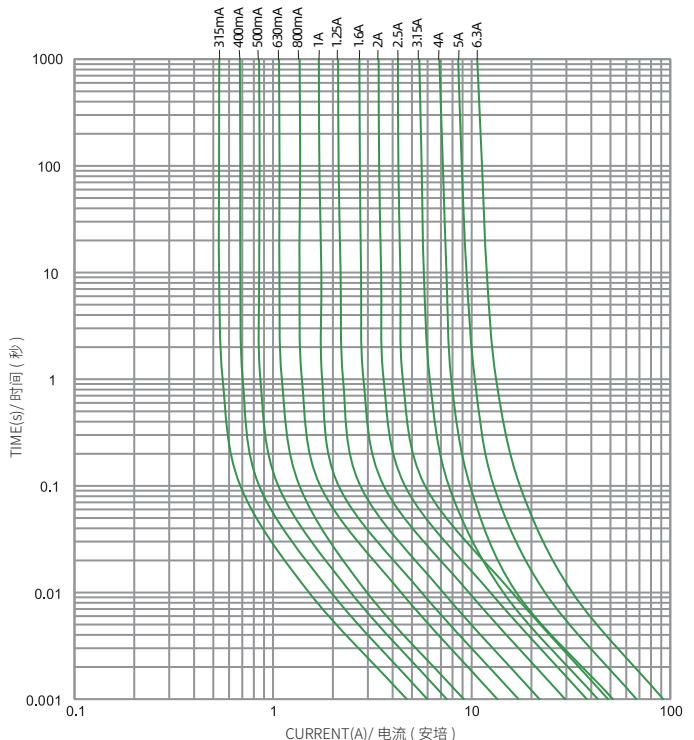
Storing Temperature/ 储存温度: -55°C ~85°C

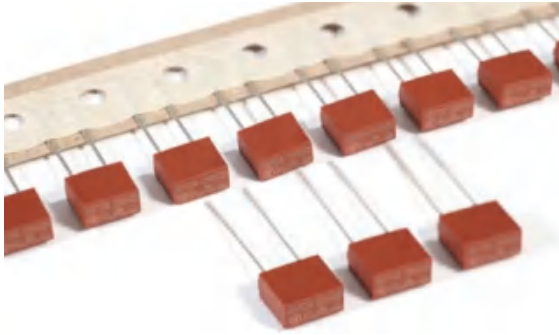
Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max.

Solderability/ 可焊性: 245°C ±5°C, 5s ±0.5s

### 5EF AVERAGE I-T CHARACTERISTICS CURVE (FOR REFERENCE ONLY)

5EF 平均 I-T 曲线图 (仅供参考)





8x8.5x4mm, RoHS Compliant & Pb-Free  
**RADIAL LEAD MICROFUSE (TIME-LAG)**  
 径向引线式保险丝管 (慢断型)

PATENT NO. 专利号 :ZL 200620053742.1

**TECHNICAL PARAMETERS/ 技术参数 :**

PART NO. 目录编号	CURRENT RATING 额定电流	Max. VOLTAGE DROP (mv) 最大电压降	SAFETY APPROVALS 安全认证								REFERENCE (A <sup>2</sup> ·Sec) (RoHS) I <sup>2</sup> T 参考值	
			CCC H <sub>1</sub> H	SEMKO H	VDE H <sub>1</sub> H	cURus H <sub>1</sub> H L	BSI H	PSE H <sub>1</sub> H	KC H	TÜV H		
SET-050H <sub>1</sub> /H/L	50mA	550									●	0.006447
SET-063H <sub>1</sub> /H/L	63mA	480									●	0.012907
SET-080H <sub>1</sub> /H/L	80mA	400									●	0.019062
SET-0100H <sub>1</sub> /H/L	100mA	350	●	●	●	●	●	●	●	●	●	0.02623
SET-0125H <sub>1</sub> /H/L	125mA	300	●	●	●	●	●	●	●	●	●	0.04499
SET-0160H <sub>1</sub> /H/L	160mA	280	●	●	●	●	●	●	●	●	●	0.08755
SET-0200H <sub>1</sub> /H/L	200mA	260	●	●	●	●	●	●	●	●	●	0.1181
SET-0250H <sub>1</sub> /H/L	250mA	240	●	●	●	●	●	●	●	●	●	0.3206
SET-0315H <sub>1</sub> /H/L	315mA	220	●	●	●	●	●	●	●	●	●	0.5153
SET-0400H <sub>1</sub> /H/L	400mA	200	●	●	●	●	●	●	●	●	●	0.7761
SET-0500H <sub>1</sub> /H/L	500mA	190	●	●	●	●	●	●	●	●	●	1.631
SET-0630H <sub>1</sub> /H/L	630mA	180	●	●	●	●	●	●	●	●	●	2.329
SET-0800H <sub>1</sub> /H/L	800mA	160	●	●	●	●	●	●	●	●	●	5.145
SET-010H <sub>1</sub> /H/L	1A	140	●	●	●	●	●	●	●	●	●	6.619
SET-013H <sub>1</sub> /H/L	1.25A	130	●	●	●	●	●	●	●	●	●	12.23
SET-016H <sub>1</sub> /H/L	1.6A	120	●	●	●	●	●	●	●	●	●	22.03
SET-020H <sub>1</sub> /H/L	2A	100	●	●	●	●	●	●	●	●	●	43.08
SET-025H <sub>1</sub> /H/L	2.5A	100	●	●	●	●	●	●	●	●	●	50.05
SET-032H <sub>1</sub> /H/L	3.15A	100	●	●	●	●	●	●	●	●	●	73.53
SET-040H <sub>1</sub> /H/L	4A	100	●	●	●	●	●	●	●	●	●	128.3
SET-050H <sub>1</sub> /H/L	5A	100	●	●	●	●	●	●	●	●	●	190.0
SET-063H <sub>1</sub> /H/L	6.3A	100	●	●	●	●	●	●	●	●	●	309.5
SET-080H <sub>1</sub> /H/L	8A	100	●	●	●	●	●	●	●	●	●	305.7
SET-100H <sub>1</sub> /H/L	10A	100	●	●	●	●	●	●	●	●	●	439.2

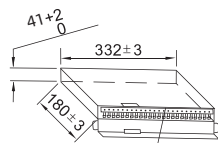
● DENOTES FOR APPROVED      ● 表示已取得安全认证  
 H<sub>1</sub> DENOTES FOR 300V      H<sub>1</sub> 代表 300V  
 H DENOTES FOR 250V      H 代表 250V  
 L DENOTES FOR 125V      L 代表 125V

**ELECTRICAL CHARACTERISTICS/ 电气特性 :**

RATING 额定	BLOWING TIME 熔断时间	
	≥ 50mA, 且 ≤ 6.3A	> 6.3A, 且 ≤ 10A
2.1In	Max. 最慢	2 minutes
2.75In	Min. 最快	400 ms
	Max. 最慢	10 seconds
4In	Min. 最快	150 ms
	Max. 最慢	3 seconds
10In	Min. 最快	20 ms
	Max. 最慢	150 ms

**PACKING/ 包装 :**

1. INNER BOX/ 内盒 : AMMO PACK



Unit 单位: mm

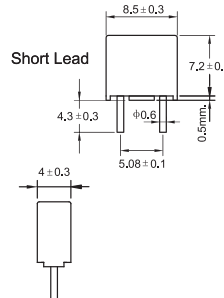
1,000 pcs taped in one inner box  
 1,000 pcs / 内盒

2. OUTER CARTON/ 外箱 : 10 INNER BOXES / CARTON  
 CARTON SIZE / 尺寸 : L440x W348 x H205(mm)

**BREAKING CAPACITY / 分断能力 :**

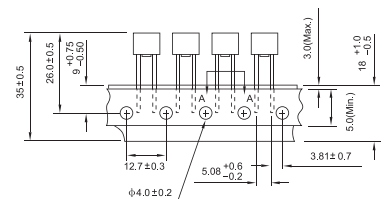
CCC / SEMKO / VDE / BSI / KTL:  
 35A OR 10In 250V AC WHICHEVER IS GREATER  
 VDE: 35A OR 10In 300V AC WHICHEVER IS GREATER(1A-6.3A)  
 CCC: 35A OR 10In 300V AC WHICHEVER IS GREATER (100mA-6.3A)  
 PSE: 100A 250V AC  
 cURus: 50A 300V AC, 50A 125V DC (100mA-6.3A), 130A/200A  
 250V AC (0.315A-10A), 100A 400V (0.315A-10A)  
 TÜV: 130A 250V AC (50mA-10A)

**Dimensions/ 尺寸 :**  
 散带规格 : SET-XXXHB



**TAPING SPECIFICATIONS / 编带规格 : SET-XXXHA** Unit 单位: mm

MATERIALS: THERMOPLASTIC, UL94V0  
 主体材料: 阻燃塑料, UL94V0

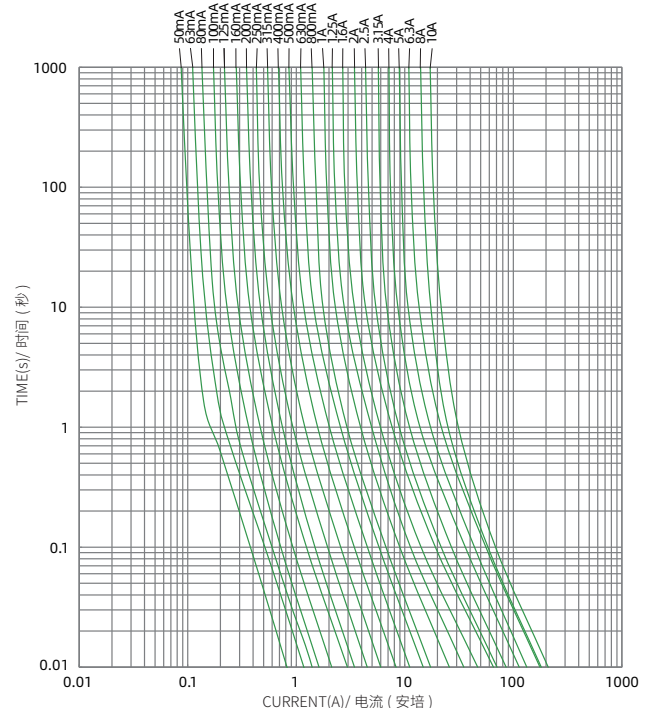


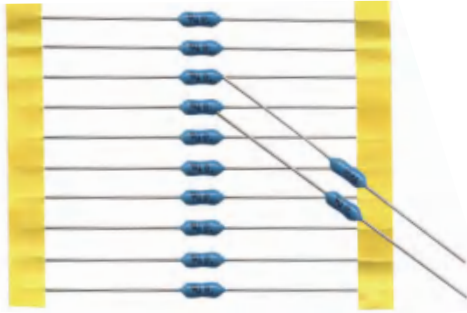
**Standards/ 标准 : IEC 60127, GB 9364**

**Operating Temperature/ 工作温度 : -55°C ~125°C**  
**Storing Temperature/ 储存温度 : -55°C ~85°C**  
**Resistance to soldering heat/ 耐焊接热性 : 260°C, 10s Max.**  
**Solderability/ 可焊性 : 245°C ±5°C, 5s±0.5s**

**SET AVERAGE I-T CHARACTERISTICS CURVE (FOR REFERENCE ONLY)**

**SET 平均 I-T 曲线图 (仅供参考)**





## Φ2.4x7mm, RoHS Compliant & Pb-Free MICROFUSE (VERY QUICK-ACTING) 微型保险丝管 (特快熔断型)

### INTERRUPTING CAPACITY / 分断能力:

50 amperes at 125V AC (100mA-3A), 50 amperes at 250V AC (375mA-3A)  
 30 amperes at 125V AC (3.15A-10A)  
 30 amperes at 250V AC (100mA-350mA, 3.15A-10A)  
 30 amperes at 72V AC (12A-15A), 50 amperes at 60V DC (20A)  
 100 amperes at 125V AC (1A-5A) PSE, 50amperes at 125V DC (250mA-5A) CCC  
 50 amperes at 125V DC (100mA-3A) UL/cUL, 50 amperes at 125V DC (3.15A-10A)UR/cUR

### TECHNICAL PARAMETERS/ 技术参数:

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证								REFERENCE (A <sup>2</sup> ·Sec.) (RoHS) I <sup>2</sup> T 参考值	
		CCC		UL(cUL)		UR(cUR)		CSA			PSE
		L	H	L	H	L	H	L	L		
20N-0160H/L	160mA			●	●					0.002313	
20N-0200H/L	200mA			●	●			●	●	0.002719	
20N-0250H/L	250mA	●		●	●			●	●	0.005643	
20N-0300H/L	300mA			●	●					0.008507	
20N-0315H/L	315mA	●		●	●			●	●	0.009699	
20N-0375H/L	375mA			●	●			●	●	0.01937	
20N-0400H/L	400mA	●	●					●	●	0.01841	
20N-0500H/L	500mA	●	●					●	●	0.03792	
20N-0600H/L	600mA			●	●			●	●	0.03965	
20N-0630H/L	630mA	●	●					●	●	0.04021	
20N-0700H/L	700mA			●	●			●	●	0.07328	
20N-0750H/L	750mA			●	●			●	●	0.08122	
20N-0800H/L	800mA	●	●					●	●	0.1002	
20N-010H/L	1A	●	●					●	●	0.4457	
20N-012H/L	1.2A			●	●			●	●	0.2627	
20N-013H/L	1.25A	●	●					●	●	0.3341	
20N-015H/L	1.5A			●	●			●	●	0.5409	
20N-016H/L	1.6A	●	●					●	●	0.5568	
20N-020H/L	2A	●	●					●	●	1.038	
20N-023H/L	2.25A			●	●			●	●	1.076	
20N-025H/L	2.5A	●	●					●	●	1.899	
20N-030H/L	3A			●	●			●	●	2.851	
20N-032H/L	3.15A	●				●	●	●	●	2.049	
20N-035H/L	3.5A			●	●			●	●	2.704	
20N-040H/L	4A	●						●	●	3.666	
20N-050H/L	5A	●						●	●	6.102	
20N-060H/L	6A			●	●			●	●	6.802	
20N-063H/L	6.3A			●	●			●	●	8.075	
20N-070H/L	7A			●	●			●	●	10.18	
20N-080H/L	8A			●	●			●	●	16.21	
20N-090H/L	9A			●	●			●	●	18.77	
20N-100H/L	10A			●	●			●	●	25.54	
20N-120H/L	12A					●	●			50.89	
20N-150H/L	15A					●	●			68.28	
20N-200H/L	20A					●	●			147.1	

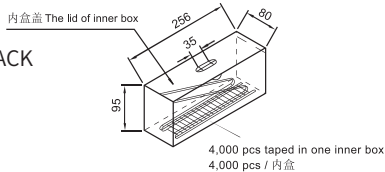
● DENOTES FOR APPROVED ● 表示已取得安全认证  
 H DENOTES FOR 250V H 代表 250V  
 L DENOTES FOR 125V L 代表 125V 100mA-10A  
 L DENOTES FOR 72V L 代表 72V 12A-15A  
 L DENOTES FOR 60V L 代表 60V 20A

### ELECTRICAL CHARACTERISTICS/ 电气特性:

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间
100%	4 hours Min. 最快 4 小时
200%	20 seconds Max. 最慢 20 秒

### PACKING/ 包装:

1. INNER BOX/ 内盒: AMMO PACK

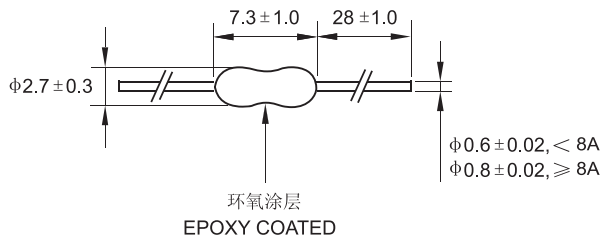


Unit 单位: mm

2. OUTER CARTON/ 外箱: 10 INNER BOXES / CARTON  
 CARTON SIZE / 尺寸: L440x W270 x H230(mm)

### Dimensions/ 尺寸:

Unit 单位: mm



Standards/ 标准: UL 248-1, UL 248-14

Operating Temperature/ 工作温度: -55°C ~ 125°C

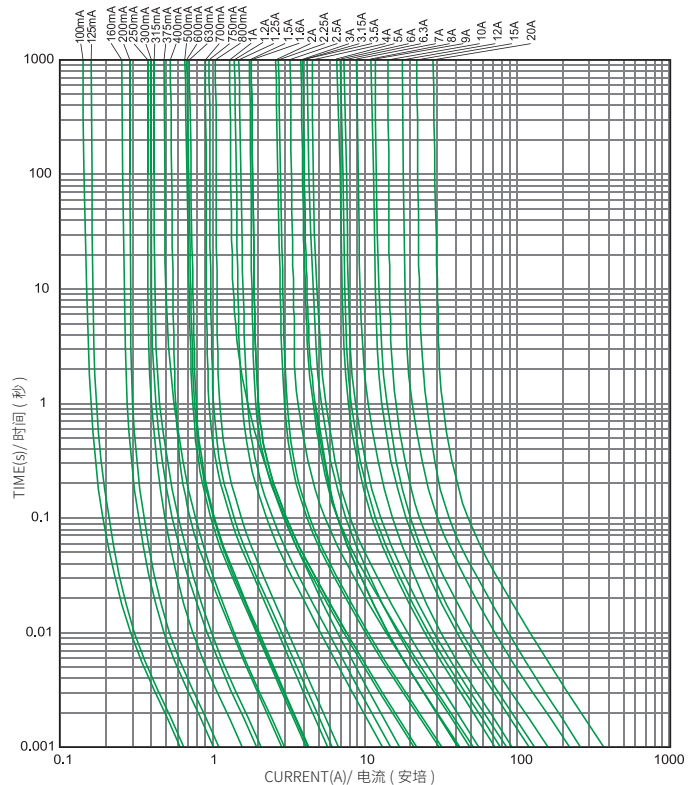
Storing Temperature/ 储存温度: -55°C ~ 85°C

Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max.

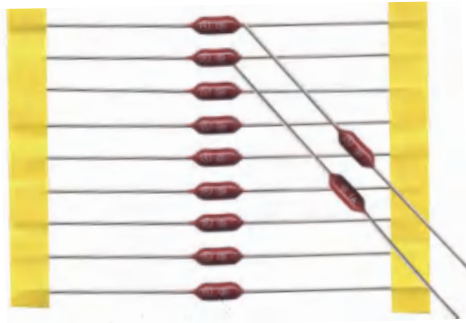
Solderability/ 可焊性: 245°C ± 5°C, 5s ± 0.5s

### 20N AVERAGE I-T CHARACTERISTICS CURVE (FOR REFERENCE ONLY)

20N 平均 I-T 曲线图 (仅供参考)







Φ2.4x7mm, RoHS Compliant & Pb-Free  
**MICROFUSE (MEDIUM SLOW-BLOW)**  
 微型保险丝管 (中等慢断型)

**INTERRUPTING CAPACITY / 分断能力:**

50 amperes at 125V/250V AC (200mA-10A)

100 amperes at 125V AC (1A-5A) PSE

**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证						REFERENCE (A <sup>2</sup> Sec.) (RoHS) I <sup>2</sup> T 参考值
		CCC	UL(cUL)		CSA		PSE	
		H	H	L	H	L	L	
20S-0200H/L	200mA	●	●	●	●	●		0.01230
20S-0250H/L	250mA	●	●	●	●	●		0.02431
20S-0300H/L	300mA		●	●	●	●		0.03270
20S-0315H/L	315mA	●	●	●	●	●		0.03671
20S-0350H/L	350mA		●	●	●	●		0.04738
20S-0375H/L	375mA		●	●	●	●		0.06790
20S-0400H/L	400mA		●	●	●	●		0.08190
20S-0500H/L	500mA	●	●	●	●	●		0.1543
20S-0600H/L	600mA		●	●	●	●		0.1591
20S-0630H/L	630mA	●	●	●	●	●		0.2808
20S-0700H/L	700mA	●	●	●	●	●		0.3874
20S-0750H/L	750mA		●	●	●	●		0.4989
20S-0800H/L	800mA	●	●	●	●	●		0.6133
20S-010H/L	1A	●	●	●	●	●	●	0.9903
20S-012H/L	1.2A		●	●	●	●	●	1.435
20S-013H/L	1.25A	●	●	●	●	●		1.749
20S-015H/L	1.5A		●	●	●	●	●	2.002
20S-016H/L	1.6A	●	●	●	●	●	●	2.374
20S-020H/L	2A	●	●	●	●	●	●	4.334
20S-023H/L	2.25A	●	●	●	●	●	●	6.002
20S-025H/L	2.5A	●	●	●	●	●	●	7.569
20S-030H/L	3A		●	●	●	●	●	11.64
20S-032H/L	3.15A	●	●	●	●	●	●	12.20
20S-035H/L	3.5A		●	●	●	●	●	15.72
20S-040H/L	4A	●	●	●	●	●	●	20.88
20S-050H/L	5A	●	●	●	●	●	●	42.76
20S-060H/L	6A		●	●	●	●	●	58.61
20S-063H/L	6.3A	●	●	●	●	●	●	67.99
20S-070H/L	7A		●	●	●	●	●	92.44
20S-080H/L	8A		●	●	●	●	●	74.48
20S-090H/L	9A		●	●	●	●	●	93.07
20S-100H/L	10A		●	●	●	●	●	153.6

● DENOTES FOR APPROVED

H DENOTES FOR 250V

L DENOTES FOR 125V

● 表示已取得安全认证

H 代表 250V

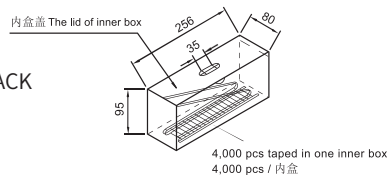
L 代表 125V

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
200%	60 seconds Max.	最慢 60 秒

**PACKING/ 包装:**

1. INNER BOX/ 内盒 : AMMO PACK

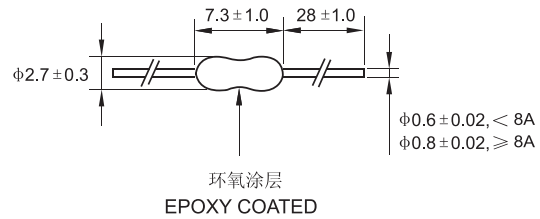


Unit 单位: mm

2. OUTER CARTON/ 外箱 : 10 INNER BOXES / CARTON  
 CARTON SIZE / 尺寸 : L440x W270 x H230(mm)

**Dimensions/ 尺寸:**

Unit 单位: mm



**Standards/ 标准:** UL 248-1, UL 248-14

**Operating Temperature/ 工作温度:** -55°C ~125°C

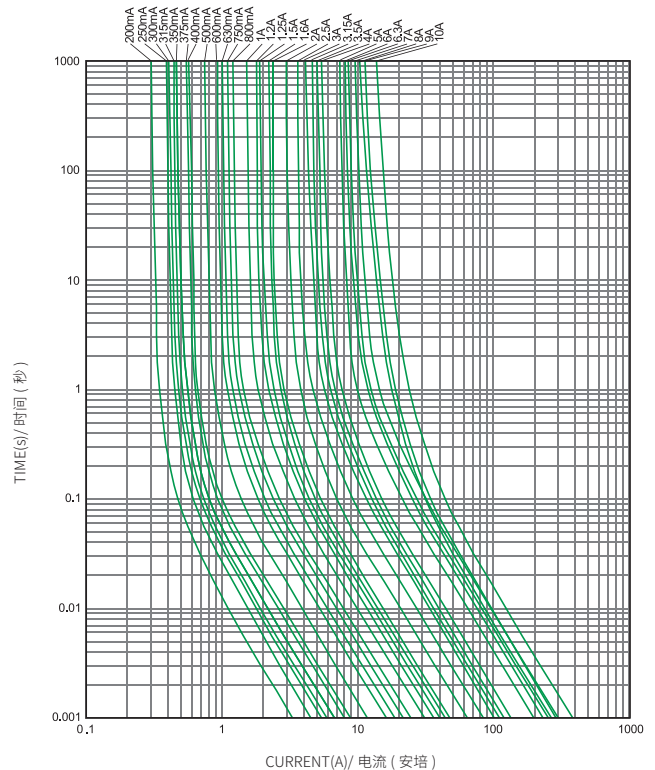
**Storing Temperature/ 储存温度:** -55°C ~85°C

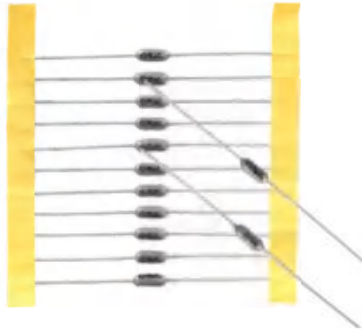
**Resistance to soldering heat/ 耐焊接热性:** 260°C, 10s Max.

**Solderability/ 可焊性:** 245°C ±5°C, 5s ±0.5s

**20S AVERAGE I-T CHARACTERISTICS CURVE  
 (FOR REFERENCE ONLY)**

**20S 平均 I-T 曲线图 (仅供参考)**





Φ2.4x7mm, RoHS Compliant & Pb-Free  
**MICROFUSE (SLOW-BLOW)**  
 微型保险丝管 (慢断型)

**INTERRUPTING CAPACITY / 分断能力:**

30 amperes at 125V AC (100mA-7A)  
 30 amperes at 250V AC (100mA-7A)  
 100 amperes at 125V AC (1A-5A) PSE

**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证									REFERENCE (A <sup>2</sup> Sec.) (RoHS) I <sup>2</sup> T 参考值	
		CCC		UR(cUR)			CSA		TÜV			PSE
		H	H	L	H	L	H	L	H	L		L
20T-0375H/L	375mA		●	●	●	●					0.1614	
20T-0400H/L	400mA		●	●	●	●					0.1713	
20T-0500H/L	500mA	●	●	●	●	●	●	●	●		0.3374	
20T-0600H/L	600mA		●	●	●	●	●	●	●		0.4662	
20T-0630H/L	630mA	●	●	●	●	●	●	●	●		0.4890	
20T-0750H/L	750mA		●	●	●	●	●	●	●		0.7074	
20T-0800H/L	800mA	●	●	●	●	●	●	●	●		0.8908	
20T-010H/L	1A	●	●	●	●	●	●	●	●	●	1.916	
20T-012H/L	1.2A		●	●	●	●	●	●	●	●	2.061	
20T-013H/L	1.25A	●	●	●	●	●	●	●	●	●	2.139	
20T-015H/L	1.5A		●	●	●	●	●	●	●	●	3.982	
20T-016H/L	1.6A	●	●	●	●	●	●	●	●	●	4.191	
20T-020H/L	2A	●	●	●	●	●	●	●	●	●	7.803	
20T-025H/L	2.5A	●	●	●	●	●	●	●	●	●	11.95	
20T-030H/L	3A		●	●	●	●	●	●	●	●	14.11	
20T-032H/L	3.15A	●	●	●	●	●	●	●	●	●	18.62	
20T-035H/L	3.5A		●	●	●	●	●	●	●	●	20.89	
20T-040H/L	4A	●	●	●	●	●	●	●	●	●	31.89	
20T-050H/L	5A	●	●	●	●	●	●	●	●	●	39.51	
20T-060H/L	6A		●	●	●	●	●	●	●	●	65.06	
20T-063H/L	6.3A	●	●	●	●	●	●	●	●	●	68.31	
20T-070H/L	7A	●	●	●	●	●	●	●	●	●	72.91	

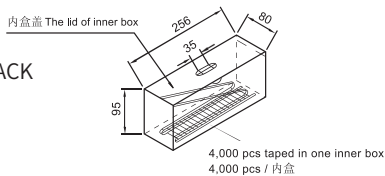
● DENOTES FOR APPROVED      ● 表示已取得安全认证  
 H DENOTES FOR 250V            H 代表 250V  
 L DENOTES FOR 125V            L 代表 125V

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
200%	1-60 seconds	1-60 秒
300%	0.2-3 seconds	0.2-3 秒
800%	0.02-0.1 second	0.02-0.1 秒

**PACKING/ 包装:**

1. INNER BOX/ 内盒 : AMMO PACK

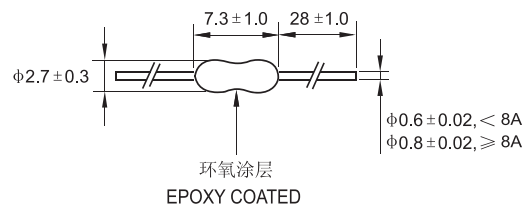


Unit 单位: mm

2. OUTER CARTON/ 外箱 : 10 INNER BOXES / CARTON  
 CARTON SIZE / 尺寸: L440x W270 x H230(mm)

**Dimensions/ 尺寸:**

Unit 单位: mm



**Standards/ 标准: UL 248-1, UL 248-14**

**Operating Temperature/ 工作温度: -55°C ~125°C**

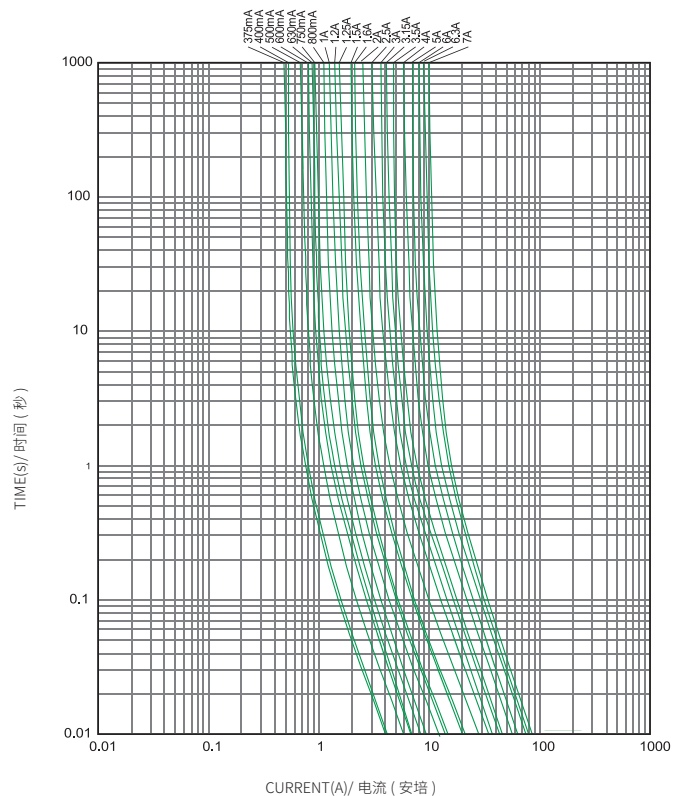
**Storing Temperature/ 储存温度: -55°C ~85°C**

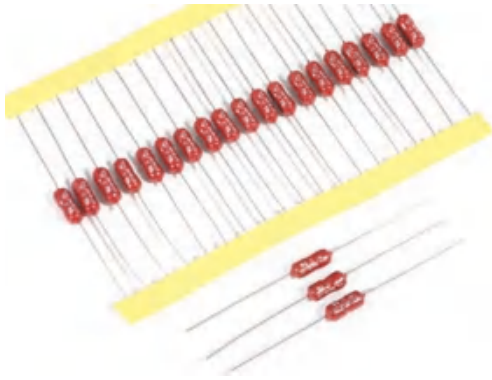
**Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max.**

**Solderability/ 可焊性: 245°C ±5°C, 5s ±0.5s**

**20T AVERAGE I-T CHARACTERISTICS CURVE  
 (FOR REFERENCE ONLY)**

**20T 平均 I-T 曲线图 (仅供参考)**





Φ3.6x10mm, RoHS Compliant & Pb-Free  
**SLOW-BLOW MICROFUSE**  
 慢断型保险丝管

PATENT NO. 专利号: ZL 201320197259.0 ZL 201120540121.7

**INTERRUPTING CAPACITY / 分断能力:**

- 50 amperes at 125V/250V AC
- 35 amperes at 250V AC CCC
- 70 amperes at 265V AC (In practice)
- 110 amperes at 220V AC (In practice)

**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证					REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值
		CCC	TÜV	UR(cUR)	PSE	KC	
		H	H L	H L	H L	H	
25S-010H/L	1A	●	● ●	● ●	● ●	● ●	1.502
25S-012H/L	1.2A		● ●	● ●	● ●	● ●	2.592
25S-013H/L	1.25A	●	● ●	● ●	● ●	● ●	3.000
25S-015H/L	1.5A		● ●	● ●	● ●	● ●	4.225
25S-016H/L	1.6A	●	● ●	● ●	● ●	● ●	4.872
25S-020H/L	2A	●	● ●	● ●	● ●	● ●	10.15

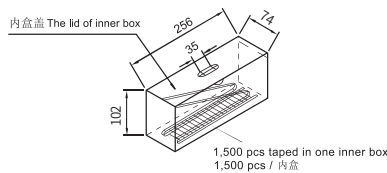
- DENOTES FOR APPROVED      ● 表示已取得安全认证
- H DENOTES FOR 250V            H 代表 250V
- L DENOTES FOR 125V            L 代表 125V

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
200%	60 seconds Max.	最慢 60 秒

**PACKING/ 包装:**

1. INNER BOX/ 内盒: AMMO PACK

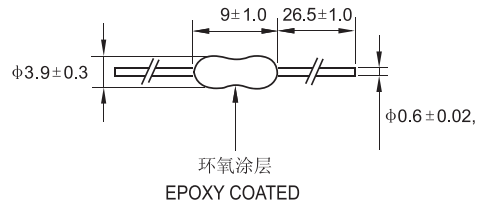


Unit 单位: mm

2. OUTER CARTON/ 外箱: 10 INNER BOXES / CARTON  
 CARTON SIZE / 尺寸: L440x W315 x H255(mm)

**Dimensions/ 尺寸:**

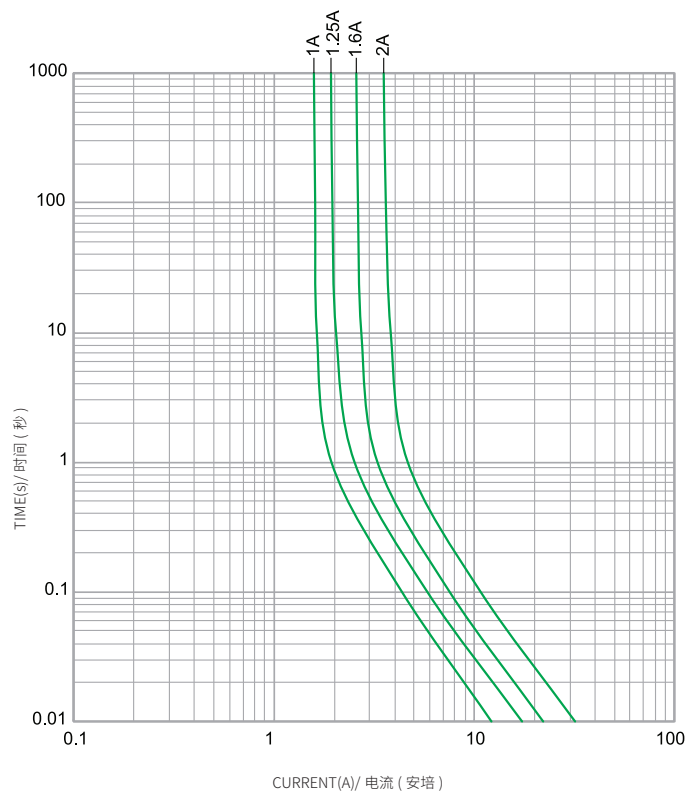
Unit 单位: mm

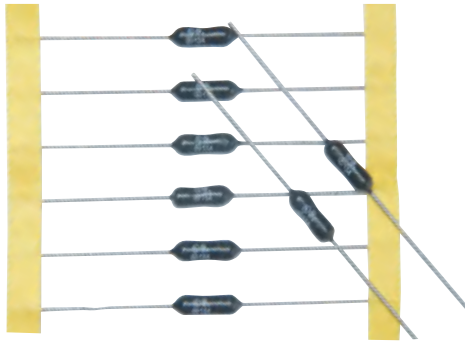


- Standards/ 标准: UL 248-1, UL 248-14, IEC 60127-1 IEC 60127-7
- Operating Temperature/ 工作温度: -55°C ~125°C
- Storing Temperature/ 储存温度: -55°C ~85°C
- Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max.
- Solderability/ 可焊性: 245°C ±5°C, 5s±0.5s

**25S AVERAGE I-T CHARACTERISTICS CURVE  
 (FOR REFERENCE ONLY)**

**25S 平均 I-T 曲线图 (仅供参考)**





## Φ3.6x10mm, RoHS Compliant FAST-BLOW MICROFUSE 速断型保险丝管

**INTERRUPTING CAPACITY / 分断能力:**  
50 amperes at 125V/250V/350V AC (100mA-15A)  
100 amperes at 125V/250V AC (1A-5A) PSE

### TECHNICAL PARAMETERS/ 技术参数:

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证									REFERENCE (A <sup>2</sup> Sec.) (RoHS) I <sup>2</sup> T 参考值
		UL(cUL)			CSA			PSE			
		H <sub>1</sub>	H <sub>2</sub>	L	H <sub>1</sub>	H <sub>2</sub>	L	H <sub>2</sub>	L		
30N-0200H <sub>1</sub> /H <sub>2</sub> /L	200mA										0.02502
30N-0250H <sub>1</sub> /H <sub>2</sub> /L	250mA										0.03852
30N-0300H <sub>1</sub> /H <sub>2</sub> /L	300mA										0.06389
30N-0315H <sub>1</sub> /H <sub>2</sub> /L	315mA										0.08730
30N-0350H <sub>1</sub> /H <sub>2</sub> /L	350mA										0.1118
30N-0375H <sub>1</sub> /H <sub>2</sub> /L	375mA										0.1426
30N-0400H <sub>1</sub> /H <sub>2</sub> /L	400mA										0.1488
30N-0500H <sub>1</sub> /H <sub>2</sub> /L	500mA										0.2581
30N-0600H <sub>1</sub> /H <sub>2</sub> /L	600mA										0.1189
30N-0630H <sub>1</sub> /H <sub>2</sub> /L	630mA										0.1279
30N-0700H <sub>1</sub> /H <sub>2</sub> /L	700mA										0.1680
30N-0750H <sub>1</sub> /H <sub>2</sub> /L	750mA										0.1978
30N-0800H <sub>1</sub> /H <sub>2</sub> /L	800mA										0.2285
30N-010H <sub>1</sub> /H <sub>2</sub> /L	1A										0.4373
30N-012H <sub>1</sub> /H <sub>2</sub> /L	1.2A										0.6019
30N-013H <sub>1</sub> /H <sub>2</sub> /L	1.25A										0.6261
30N-015H <sub>1</sub> /H <sub>2</sub> /L	1.5A										0.9885
30N-016H <sub>1</sub> /H <sub>2</sub> /L	1.6A										1.159
30N-020H <sub>1</sub> /H <sub>2</sub> /L	2A										2.297
30N-023H <sub>1</sub> /H <sub>2</sub> /L	2.25A										2.919
30N-025H <sub>1</sub> /H <sub>2</sub> /L	2.5A										2.152
30N-030H <sub>1</sub> /H <sub>2</sub> /L	3A										3.005
30N-032H <sub>1</sub> /H <sub>2</sub> /L	3.15A										4.174
30N-035H <sub>1</sub> /H <sub>2</sub> /L	3.5A										5.182
30N-040H <sub>1</sub> /H <sub>2</sub> /L	4A										5.712
30N-050H <sub>1</sub> /H <sub>2</sub> /L	5A										10.55
30N-060H <sub>1</sub> /H <sub>2</sub> /L	6A										15.84
30N-063H <sub>1</sub> /H <sub>2</sub> /L	6.3A										18.58
30N-070H <sub>1</sub> /H <sub>2</sub> /L	7A										23.32
30N-080H <sub>1</sub> /H <sub>2</sub> /L	8A										38.20
30N-090H <sub>1</sub> /H <sub>2</sub> /L	9A										54.34
30N-100H <sub>1</sub> /H <sub>2</sub> /L	10A										75.76
30N-120H <sub>1</sub> /H <sub>2</sub> /L	12A										110.4
30N-150H <sub>1</sub> /H <sub>2</sub> /L	15A										250.9

● DENOTES FOR APPROVED      ● 表示已取得安全认证  
H<sub>1</sub> DENOTES FOR 350V      H<sub>1</sub> 代表 350V  
H<sub>2</sub> DENOTES FOR 250V      H<sub>2</sub> 代表 250V  
L DENOTES FOR 125V      L 代表 125V

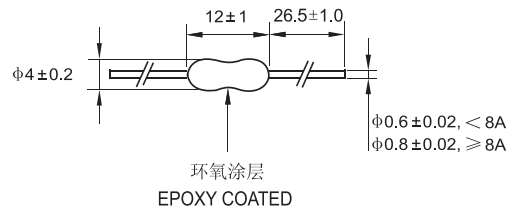
### ELECTRICAL CHARACTERISTICS/ 电气特性:

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间
100%	4 hours Min.      最快 4 小时
200%	60 seconds Max.      最慢 60 秒

**Standards/ 标准:** UL 248-1, UL 248-14  
**Operating Temperature/ 工作温度:** -55°C ~125°C  
**Storing Temperature/ 储存温度:** -55°C ~85°C  
**Resistance to soldering heat/ 耐焊接热性:** 260°C, 10s Max.  
**Solderability/ 可焊性:** 245°C ±5°C, 5s±0.5s

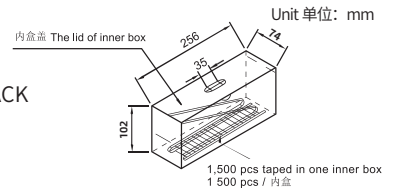
### Dimensions/ 尺寸:

Unit 单位: mm



### PACKING/ 包装:

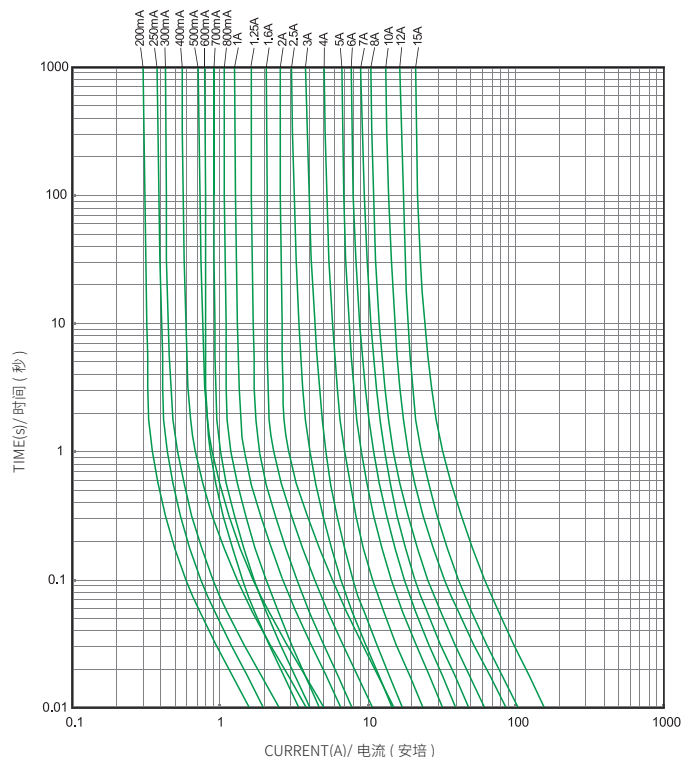
1. INNER BOX/ 内盒: AMMO PACK

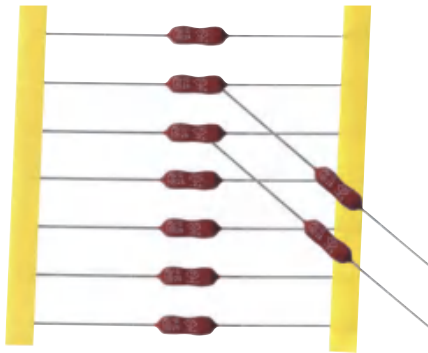


2. OUTER CARTON/ 外箱: 10 INNER BOXES / CARTON  
CARTON SIZE / 尺寸: L400x W220 x H230(mm)

### 30N AVERAGE I-T CHARACTERISTICS CURVE (FOR REFERENCE ONLY)

### 30N 平均 I-T 曲线图 (仅供参考)





Φ3.6x10mm, RoHS Compliant  
SLOW-BLOW MICROFUSE  
慢断型保险丝管

PATENT NO. 专利号: ZL 02220684.1

INTERRUPTING CAPACITY / 分断能力:

- 50 amperes at 125V/250V/ AC (100mA-10A)
- 30 amperes at 350V AC (200mA-1.6A)
- 50 amperes at 350V AC (2A-10A)
- 100 amperes at 125V/250V AC (1A-5A) PSE

TECHNICAL PARAMETERS/ 技术参数:

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证										REFERENCE (A²·Sec.) (RoHS) I²T 参考值	
		CCC		VDE	UL(cUL)			UR(cUR)			CSA		PSE
		H <sub>2</sub>	H <sub>2</sub> /L	H <sub>1</sub>	H <sub>2</sub>	L	H <sub>1</sub>	H <sub>1</sub>	H <sub>2</sub>	L	H <sub>2</sub>		L
30TS-0200H <sub>2</sub> /H <sub>2</sub> /L	200mA	●		●	●	●	●	●	●	●	●	●	0.02501
30TS-0250H <sub>2</sub> /H <sub>2</sub> /L	250mA	●	●	●	●	●	●	●	●	●	●	●	0.03851
30TS-0300H <sub>2</sub> /H <sub>2</sub> /L	300mA			●	●	●	●	●	●	●	●	●	0.06389
30TS-0315H <sub>2</sub> /H <sub>2</sub> /L	315mA	●	●	●	●	●	●	●	●	●	●	●	0.08730
30TS-0350H <sub>2</sub> /H <sub>2</sub> /L	350mA			●	●	●	●	●	●	●	●	●	0.1118
30TS-0375H <sub>2</sub> /H <sub>2</sub> /L	375mA			●	●	●	●	●	●	●	●	●	0.1426
30TS-0400H <sub>2</sub> /H <sub>2</sub> /L	400mA		●	●	●	●	●	●	●	●	●	●	0.1488
30TS-0500H <sub>2</sub> /H <sub>2</sub> /L	500mA	●	●	●	●	●	●	●	●	●	●	●	0.2581
30TS-0600H <sub>2</sub> /H <sub>2</sub> /L	600mA			●	●	●	●	●	●	●	●	●	0.4782
30TS-0630H <sub>2</sub> /H <sub>2</sub> /L	630mA	●	●	●	●	●	●	●	●	●	●	●	0.6634
30TS-0700H <sub>2</sub> /H <sub>2</sub> /L	700mA			●	●	●	●	●	●	●	●	●	0.8058
30TS-0750H <sub>2</sub> /H <sub>2</sub> /L	750mA			●	●	●	●	●	●	●	●	●	0.9581
30TS-0800H <sub>2</sub> /H <sub>2</sub> /L	800mA	●	●	●	●	●	●	●	●	●	●	●	1.227
30TS-010H <sub>2</sub> /H <sub>2</sub> /L	1A	●	●	●	●	●	●	●	●	●	●	●	2.063
30TS-012H <sub>2</sub> /H <sub>2</sub> /L	1.2A			●	●	●	●	●	●	●	●	●	4.005
30TS-013H <sub>2</sub> /H <sub>2</sub> /L	1.25A	●	●	●	●	●	●	●	●	●	●	●	4.101
30TS-015H <sub>2</sub> /H <sub>2</sub> /L	1.5A			●	●	●	●	●	●	●	●	●	5.725
30TS-016H <sub>2</sub> /H <sub>2</sub> /L	1.6A	●	●	●	●	●	●	●	●	●	●	●	6.024
30TS-020H <sub>2</sub> /H <sub>2</sub> /L	2A	●	●	●	●	●	●	●	●	●	●	●	12.05
30TS-023H <sub>2</sub> /H <sub>2</sub> /L	2.25A			●	●	●	●	●	●	●	●	●	15.36
30TS-025H <sub>2</sub> /H <sub>2</sub> /L	2.5A	●	●	●	●	●	●	●	●	●	●	●	20.53
30TS-030H <sub>2</sub> /H <sub>2</sub> /L	3A			●	●	●	●	●	●	●	●	●	27.28
30TS-032H <sub>2</sub> /H <sub>2</sub> /L	3.15A	●	●	●	●	●	●	●	●	●	●	●	30.07
30TS-035H <sub>2</sub> /H <sub>2</sub> /L	3.5A			●	●	●	●	●	●	●	●	●	34.43
30TS-040H <sub>2</sub> /H <sub>2</sub> /L	4A	●	●	●	●	●	●	●	●	●	●	●	57.55
30TS-050H <sub>2</sub> /H <sub>2</sub> /L	5A	●	●	●	●	●	●	●	●	●	●	●	98.26
30TS-060H <sub>2</sub> /H <sub>2</sub> /L	6A			●	●	●	●	●	●	●	●	●	29.38
30TS-063H <sub>2</sub> /H <sub>2</sub> /L	6.3A	●	●	●	●	●	●	●	●	●	●	●	33.44
30TS-070H <sub>2</sub> /H <sub>2</sub> /L	7A			●	●	●	●	●	●	●	●	●	44.28
30TS-080H <sub>2</sub> /H <sub>2</sub> /L	8A			●	●	●	●	●	●	●	●	●	62.39
30TS-090H <sub>2</sub> /H <sub>2</sub> /L	9A			●	●	●	●	●	●	●	●	●	78.70
30TS-100H <sub>2</sub> /H <sub>2</sub> /L	10A			●	●	●	●	●	●	●	●	●	109.5
30TS-120H <sub>2</sub> /H <sub>2</sub> /L	12A			●	●	●	●	●	●	●	●	●	187.1
30TS-150H <sub>2</sub> /H <sub>2</sub> /L	15A			●	●	●	●	●	●	●	●	●	345.2

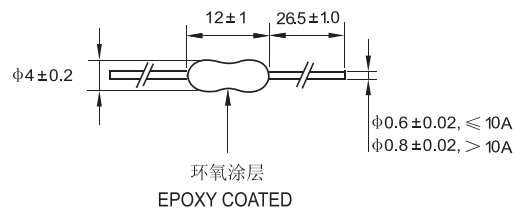
● DENOTES FOR APPROVED                      ● 表示已取得安全认证  
H<sub>1</sub> DENOTES FOR 350V                      H<sub>1</sub> 代表 350V  
H<sub>2</sub> DENOTES FOR 250V                      H<sub>2</sub> 代表 250V  
L DENOTES FOR 125V                      L 代表 125V

ELECTRICAL CHARACTERISTICS/ 电气特性:

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间
100%	4 hours Min.      最快 4 小时
200%	60 seconds Max.      最慢 60 秒 (200mA-800mA) 1-60 seconds Max.      1-60 秒 (1A-10A)

Dimensions/ 尺寸:

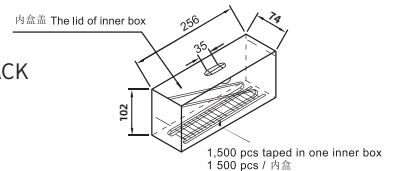
Unit 单位: mm



PACKING/ 包装:

1. INNER BOX/ 内盒: AMMO PACK

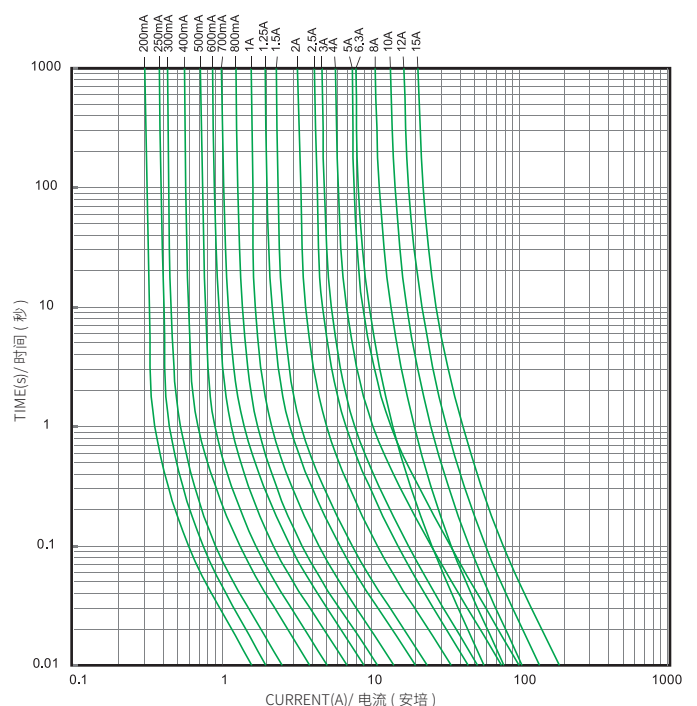
Unit 单位: mm



2. OUTER CARTON/ 外箱: 10 INNER BOXES / CARTON  
CARTON SIZE / 尺寸: L400x W220 x H230(mm)

30TS AVERAGE I-T CHARACTERISTICS CURVE  
(FOR REFERENCE ONLY)

30TS 平均 I-T 曲线图 (仅供参考)



Standards/ 标准: UL 248-1, UL 248-14

Operating Temperature/ 工作温度: -55°C ~125°C

Storing Temperature/ 储存温度: -55°C ~85°C

Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max.

Solderability/ 可焊性: 245°C ±5°C, 5s±0.5s



**H 31NM, 32NM**   

Φ3.6x10mm, RoHS Compliant & Pb-Free  
**GLASS TUBE MICROFUSE (FAST-BLOW)**  
 玻璃保险丝管 (速断型)

**INTERRUPTING CAPACITY / 分断能力:**

50 amperes at 125V AC (100mA-15A)  
 50 amperes at 250V AC (100mA-15A)

**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证					REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值
		UL		cUL		CSA	
		H	L	H	L	L	
31NM,32NM-0300H/L	300mA	●	●	●	●	●	0.07196
31NM,32NM-0315H/L	315mA	●	●	●	●	●	0.08236
31NM,32NM-0350H/L	350mA	●	●	●	●	●	0.09546
31NM,32NM-0375H/L	375mA	●	●	●	●	●	0.1172
31NM,32NM-0400H/L	400mA	●	●	●	●	●	0.1389
31NM,32NM-0500H/L	500mA	●	●	●	●	●	0.09975
31NM,32NM-0600H/L	600mA	●	●	●	●	●	0.1354
31NM,32NM-0630H/L	630mA	●	●	●	●	●	0.1422
31NM,32NM-0750H/L	750mA	●	●	●	●	●	0.1956
31NM,32NM-0800H/L	800mA	●	●	●	●	●	0.2463
31NM,32NM-010H/L	1A	●	●	●	●	●	0.3606
31NM,32NM-012H/L	1.2A	●	●	●	●	●	0.5181
31NM,32NM-013H/L	1.25A	●	●	●	●	●	0.5728
31NM,32NM-015H/L	1.5A	●	●	●	●	●	0.8601
31NM,32NM-016H/L	1.6A	●	●	●	●	●	1.115
31NM,32NM-020H/L	2A	●	●	●	●	●	2.189
31NM,32NM-023H/L	2.25A	●	●	●	●	●	2.463
31NM,32NM-025H/L	2.5A	●	●	●	●	●	1.911
31NM,32NM-030H/L	3A	●	●	●	●	●	3.420
31NM,32NM-032H/L	3.15A	●	●	●	●	●	3.833
31NM,32NM-035H/L	3.5A	●	●	●	●	●	5.155
31NM,32NM-040H/L	4A	●	●	●	●	●	5.891
31NM,32NM-050H/L	5A	●	●	●	●	●	9.401
31NM,32NM-060H/L	6A	●	●	●	●	●	16.34
31NM,32NM-063H/L	6.3A	●	●	●	●	●	20.59
31NM,32NM-070H/L	7A	●	●	●	●	●	26.03
31NM,32NM-080H/L	8A	●	●	●	●	●	30.86
31NM,32NM-090H/L	9A	●	●	●	●	●	46.89
31NM,32NM-100H/L	10A	●	●	●	●	●	59.32
31NM,32NM-120H/L	12A	●	●	●	●	●	92.27
31NM,32NM-150H/L	15A	●	●	●	●	●	243.7

● DENOTES FOR APPROVED      ● 表示已取得安全认证  
 H DENOTES FOR 250V            H 代表 250V  
 L DENOTES FOR 125V            L 代表 125V  
 cUL APPROVAL IS EQUIVALENT TO CSA APPROVAL  
 cUL 认证同等 CSA 认证使用

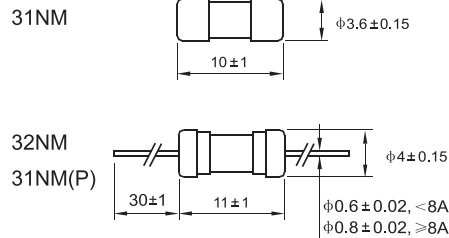
**Standards/ 标准:** UL 248-1, UL 248-14  
**Operating Temperature/ 工作温度:** -55°C ~125°C  
**Storing Temperature/ 储存温度:** -55°C ~85°C  
**Resistance to soldering heat/ 耐焊接热性:** 260°C, 10s Max.  
**Solderability/ 可焊性:** 245°C ±5°C, 5s±0.5s

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间
100%	4 hours Min.      最快 4 小时
200%	60 seconds Max.      最慢 60 秒

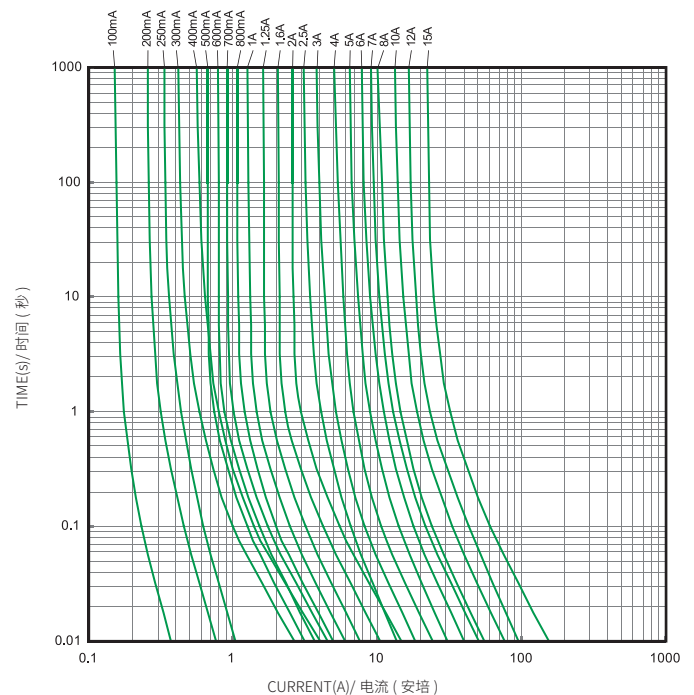
**Dimensions/ 尺寸:**

Unit 单位: mm



**31NM/32NM AVERAGE I-T CHARACTERISTICS CURVE  
 (FOR REFERENCE ONLY)**

**31NM/32NM 平均 I-T 曲线图 (仅供参考)**





Ⓜ 31S, 32S Ⓢ Ⓤ ⓐ Ⓡ Ⓢ

Φ3.6x10mm, RoHS Compliant & Pb-Free  
GLASS TUBE MICROFUSE (SLOW-BLOW)  
玻璃保险丝管 (慢断型)

**INTERRUPTING CAPACITY / 分断能力:**

50 amperes at 125V AC (100mA-10A)  
50 amperes at 250V AC (100mA-10A)

**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证				REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值
		UL/cUL		CSA		
		H	L	H	L	
31S,32S-0100H/L	100mA		●	●		0.02127
31S,32S-0125H/L	125mA	●	●	●	●	0.02058
31S,32S-0150H/L	150mA	●	●	●	●	0.04566
31S,32S-0160H/L	160mA	●	●	●	●	0.04362
31S,32S-0200H/L	200mA	●	●	●	●	0.07841
31S,32S-0250H/L	250mA	●	●	●	●	0.1531
31S,32S-0300H/L	300mA	●	●	●	●	0.2431
31S,32S-0315H/L	315mA	●	●	●	●	0.2107
31S,32S-0350H/L	350mA	●	●	●	●	0.5416
31S,32S-0375H/L	375mA	●	●	●	●	0.5196
31S,32S-0400H/L	400mA	●	●	●	●	0.4975
31S,32S-0500H/L	500mA	●	●	●	●	0.7752
31S,32S-0600H/L	600mA	●	●	●	●	0.9302
31S,32S-0630H/L	630mA	●	●	●	●	1.623
31S,32S-0750H/L	750mA	●	●	●	●	1.508
31S,32S-0800H/L	800mA	●	●	●	●	0.4494
31S,32S-010H/L	1A	●	●	●	●	1.104
31S,32S-012H/L	1.2A	●	●	●	●	1.548
31S,32S-013H/L	1.25A	●	●	●	●	1.612
31S,32S-015H/L	1.5A	●	●	●	●	2.534
31S,32S-016H/L	1.6A	●	●	●	●	2.940
31S,32S-020H/L	2A	●	●	●	●	5.579
31S,32S-023H/L	2.25A	●	●	●	●	6.276
31S,32S-025H/L	2.5A	●	●	●	●	3.375
31S,32S-030H/L	3A	●	●	●	●	5.342
31S,32S-032H/L	3.15A	●	●	●	●	5.854
31S,32S-035H/L	3.5A	●	●	●	●	7.045
31S,32S-040H/L	4A	●	●	●	●	11.05
31S,32S-050H/L	5A	●	●	●	●	18.64
31S,32S-060H/L	6A	●	●	●	●	29.38
31S,32S-063H/L	6.3A	●	●	●	●	32.13
31S,32S-070H/L	7A	●	●	●	●	44.28
31S,32S-080H/L	8A	●	●	●	●	56.69
31S,32S-090H/L	9A	●	●	●	●	82.90
31S,32S-100H/L	10A	●	●	●	●	109.1
31S,32S-120H/L	12A					150.7
31S,32S-150H/L	15A					337.4

● DENOTES FOR APPROVED ● 表示已取得安全认证  
H DENOTES FOR 250V H 代表 250V  
L DENOTES FOR 125V L 代表 125V  
cUL APPROVAL IS EQUIVALENT TO CSA APPROVAL cUL 认证同等 CSA 认证使用

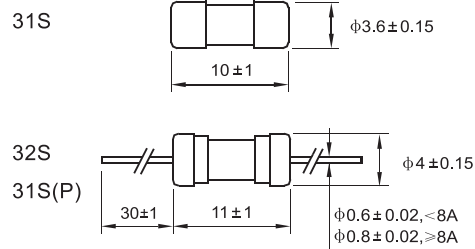
Standards/ 标准: UL 248-1, UL 248-14  
Operating Temperature/ 工作温度: -55°C ~125°C  
Storing Temperature/ 储存温度: -55°C ~85°C  
Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max.  
Solderability/ 可焊性: 245°C ±5°C, 5s±0.5s

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
200%	1-60 seconds	1-60 秒

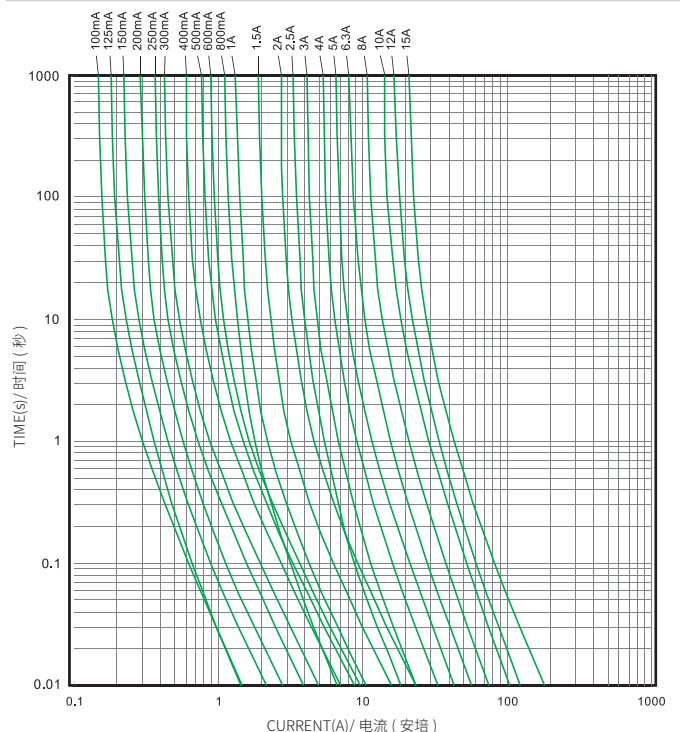
**Dimensions/ 尺寸:**

Unit 单位: mm



**31S/32S AVERAGE I-T CHARACTERISTICS CURVE  
(FOR REFERENCE ONLY)**

**31S/32S 平均 I-T 曲线图 (仅供参考)**





Φ3.6x10mm IEC STANDARD FUSE  
RoHS Compliant & Pb-Free  
GLASS TUBE MICROFUSE (TIME-LAG)  
玻璃保险丝管 (慢断型)

**BREAKING CAPACITY / 分断能力:**

CQC / VDE / cURus:

35A OR 10In 250V AC WHICHEVER IS GREATER

**TECHNICAL PARAMETERS/ 技术参数:**

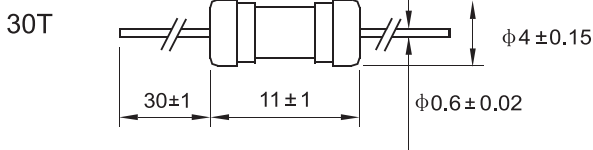
PART NO. 目录编号	CURRENT RATING 额定电流	Max. VOLTAGE DROP (mv) 最大电压降	SAFETY APPROVALS 安全认证				REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值
			CCC	VDE	cURus	PSE	
30T-0200H	200mA	260	●		●		0.1981
30T-0250H	250mA	240	●	●	●		0.3120
30T-0315H	315mA	220	●	●	●		0.5219
30T-0400H	400mA	200	●	●	●		0.8606
30T-0500H	500mA	190	●	●	●		1.323
30T-0630H	630mA	180	●	●	●		2.473
30T-0800H	800mA	160	●	●	●		4.165
30T-010H	1A	140	●	●	●	●	2.811
30T-013H	1.25A	130	●	●	●	●	5.300
30T-016H	1.6A	120	●	●	●	●	6.315
30T-020H	2A	100	●	●	●	●	9.668
30T-025H	2.5A	100	●	●	●	●	16.72
30T-032H	3.15A	100	●	●	●	●	28.92
30T-040H	4A	100	●	●	●	●	60.86
30T-050H	5A	100	●	●	●	●	84.99
30T-063H	6.3A	100	●	●			213.8
30T-080H	8A	80	●				295
30T-100H	10A	75	●				451

● DENOTES FOR APPROVED  
H DENOTES FOR 250V

● 表示已取得安全认证  
H 代表 250V

**Dimensions/ 尺寸:**

Unit 单位: mm



**Standards/ 标准:** IEC 60127 GB 9364

**Operating Temperature/ 工作温度:** -55°C ~125°C

**Storing Temperature/ 储存温度:** -55°C ~85°C

**Resistance to soldering heat/ 耐焊接热性:** 260°C, 10s Max.

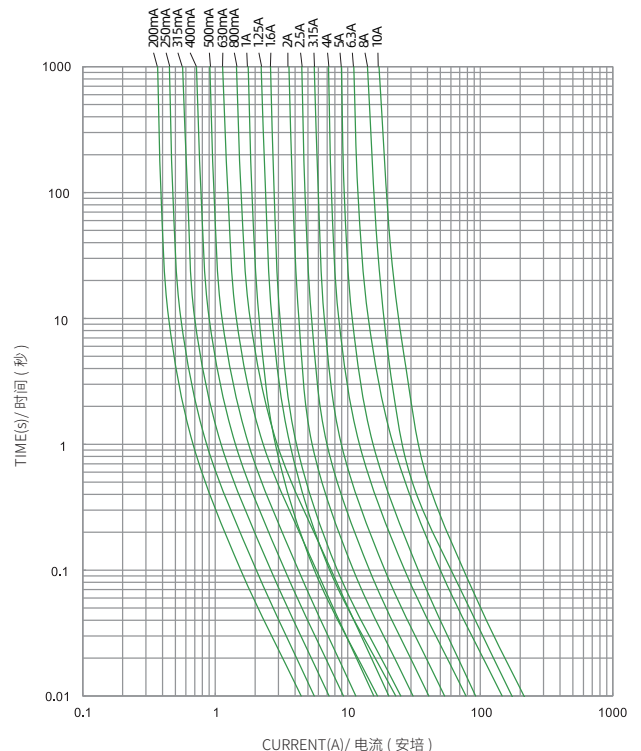
**Solderability/ 可焊性:** 245°C ±5°C, 5s±0.5s

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

RATING 额定		BLOWING TIME 熔断时间
2.1In	Max. 最慢	2 minutes
2.75In	Min. 最快	400 ms
	Max. 最慢	10 seconds
4In	Min. 最快	150 ms
	Max. 最慢	3 seconds
10In	Min. 最快	20 ms
	Max. 最慢	150 ms

**30T AVERAGE I-T CHARACTERISTICS CURVE  
(FOR REFERENCE ONLY)**

**30T 平均 I-T 曲线图 (仅供参考)**





**H 35NM, 36NM**     

Φ3.6x10mm, RoHS Compliant & Pb-Free  
**CERAMIC TUBE MICROFUSE (FAST-BLOW)**  
 瓷保险丝管 (速断型)

**INTERRUPTING CAPACITY / 分断能力:**

50 amperes at 125V AC (100mA-15A)  
 50 amperes at 250V AC (100mA-15A)  
 100 amperes at 125V AC (5A-15A) PSE

**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证								REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值
		UL		cUL		CSA		PSE		
		H	L	H	L	H	L	H	L	
35NM,36NM-0300H/L	300mA	●	●	●	●	●	●	●	●	0.07196
35NM,36NM-0315H/L	315mA	●	●	●	●	●	●	●	●	0.08236
35NM,36NM-0350H/L	350mA	●	●	●	●	●	●	●	●	0.09546
35NM,36NM-0375H/L	375mA	●	●	●	●	●	●	●	●	0.1172
35NM,36NM-0400H/L	400mA	●	●	●	●	●	●	●	●	0.1389
35NM,36NM-0500H/L	500mA	●	●	●	●	●	●	●	●	0.09975
35NM,36NM-0600H/L	600mA	●	●	●	●	●	●	●	●	0.1354
35NM,36NM-0630H/L	630mA	●	●	●	●	●	●	●	●	0.1422
35NM,36NM-0750H/L	750mA	●	●	●	●	●	●	●	●	0.1956
35NM,36NM-0800H/L	800mA	●	●	●	●	●	●	●	●	0.2463
35NM,36NM-010H/L	1A	●	●	●	●	●	●	●	●	0.3606
35NM,36NM-012H/L	1.2A	●	●	●	●	●	●	●	●	0.5181
35NM,36NM-013H/L	1.25A	●	●	●	●	●	●	●	●	0.5728
35NM,36NM-015H/L	1.5A	●	●	●	●	●	●	●	●	0.8601
35NM,36NM-016H/L	1.6A	●	●	●	●	●	●	●	●	1.115
35NM,36NM-020H/L	2A	●	●	●	●	●	●	●	●	2.189
35NM,36NM-023H/L	2.25A	●	●	●	●	●	●	●	●	2.463
35NM,36NM-025H/L	2.5A	●	●	●	●	●	●	●	●	1.911
35NM,36NM-030H/L	3A	●	●	●	●	●	●	●	●	3.420
35NM,36NM-032H/L	3.15A	●	●	●	●	●	●	●	●	3.833
35NM,36NM-035H/L	3.5A	●	●	●	●	●	●	●	●	5.155
35NM,36NM-040H/L	4A	●	●	●	●	●	●	●	●	5.891
35NM,36NM-050H/L	5A	●	●	●	●	●	●	●	●	9.401
35NM,36NM-060H/L	6A	●	●	●	●	●	●	●	●	16.34
35NM,36NM-063H/L	6.3A	●	●	●	●	●	●	●	●	20.59
35NM,36NM-070H/L	7A	●	●	●	●	●	●	●	●	26.03
35NM,36NM-080H/L	8A	●	●	●	●	●	●	●	●	30.86
35NM,36NM-090H/L	9A	●	●	●	●	●	●	●	●	46.89
35NM,36NM-100H/L	10A	●	●	●	●	●	●	●	●	59.32
35NM,36NM-120H/L	12A	●	●	●	●	●	●	●	●	92.27
35NM,36NM-150H/L	15A	●	●	●	●	●	●	●	●	243.7

● DENOTES FOR APPROVED      ● 表示已取得安全认证  
 H DENOTES FOR 250V          H 代表 250V  
 L DENOTES FOR 125V          L 代表 125V  
 cUL APPROVAL IS EQUIVALENT TO CSA APPROVAL  
 cUL 认证同等 CSA 认证使用

**Standards/ 标准:** UL 248-1, UL 248-14

**Operating Temperature/ 工作温度:** -55°C ~125°C

**Storing Temperature/ 储存温度:** -55°C ~85°C

**Resistance to soldering heat/ 耐焊接热性:** 260°C, 10s Max.

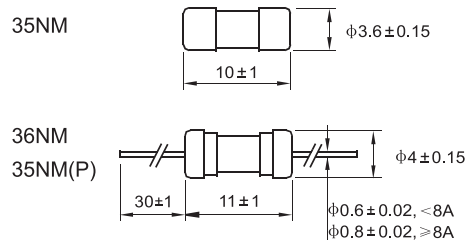
**Solderability/ 可焊性:** 245°C ±5°C, 5s±0.5s

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
200%	60 seconds Max.	最慢 60 秒

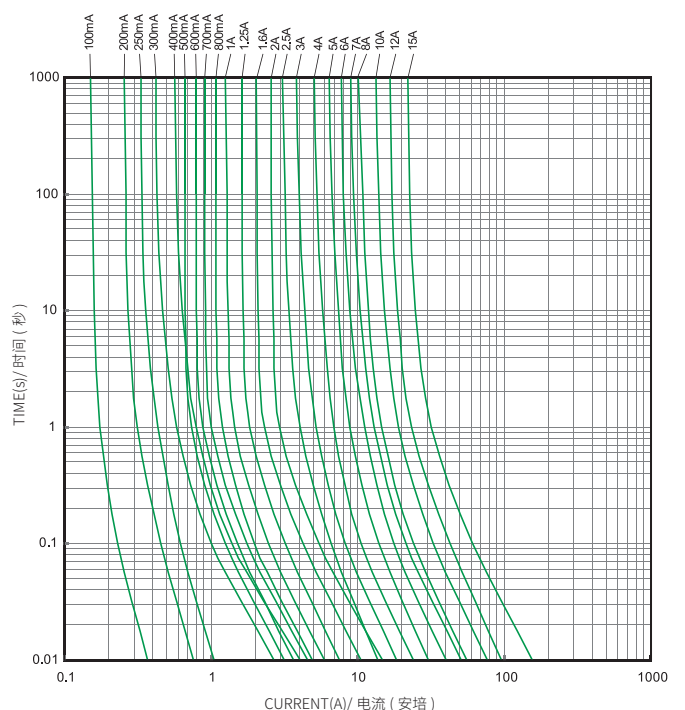
**Dimensions/ 尺寸:**

Unit 单位: mm



**35NM/36NM AVERAGE I-T CHARACTERISTICS CURVE  
 (FOR REFERENCE ONLY)**

**35NM/36NM 平均 I-T 曲线图 (仅供参考)**





Φ3.6x10mm IEC STANDARD FUSE  
 RoHS Compliant & Pb-Free  
**CERAMIC TUBE MICROFUSE (TIME-LAG)**  
 瓷保险丝管 (慢断型)

**BREAKING CAPACITY / 分断能力:**  
 63A at 125V/250V AC

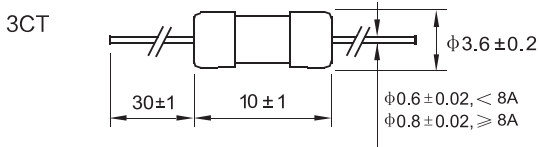
**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	Max. VOLTAGE DROP (mv) 最大电压降	SAFETY APPROVALS 安全认证			REFERENCE (A°Sec.) (RoHS) I <sup>2</sup> T 参考值
			CQC	cURus	TUV	
3CT 010H/L	1A	140	○	●	●	2.476
3CT 013H/L	1.25A	130	○	●	●	4.300
3CT 016H/L	1.6A	120	○	●	●	7.693
3CT 020H/L	2A	100	○	●	●	12.48
3CT 025H/L	2.5A	100	○	●	●	20.55
3CT 032H/L	3.15A	100	○	●	●	36.95
3CT 040H/L	4A	100	○	●	●	49.92
3CT 050H/L	5A	100	○	●	●	75.56
3CT 063H/L	6.3A	100	○	●	●	120.0
3CT 080H/L	8A	100	○	●	●	204.1
3CT 100H/L	10A	100	○	●	●	334.4

- DENOTES FOR APPROVED ● 表示已取得安全认证
- DENOTES FOR PENDING ○ 表示正在申请安全认证
- H DENOTES FOR 250V H 代表 250V
- L DENOTES FOR 125V L 代表 125V

**Dimensions/ 尺寸:**

Unit 单位: mm

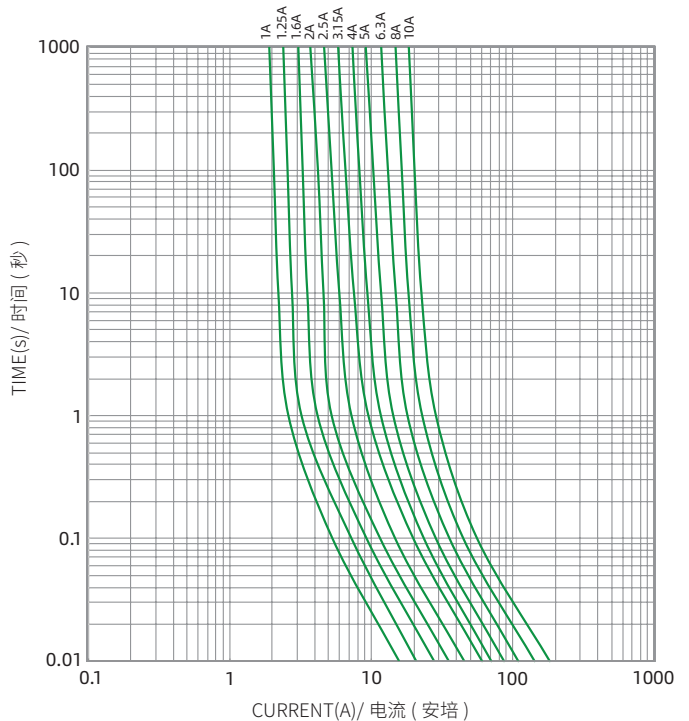


**ELECTRICAL CHARACTERISTICS/ 电气特性:**

RATING 额定	BLOWING TIME 熔断时间
2.1In	Max. 最慢 30 minutes
2.75In	Min. 最快 400 ms
	Max. 最慢 10 seconds
4In	Min. 最快 150 ms
	Max. 最慢 3 seconds
10In	Min. 最快 20 ms
	Max. 最慢 150 ms

**3CT AVERAGE I-T CHARACTERISTICS CURVE (FOR REFERENCE ONLY)**

**3CT 平均 I-T 曲线图 (仅供参考)**



**Standards/ 标准:** IEC 60127

**Operating Temperature/ 工作温度:** -55°C ~125°C

**Storing Temperature/ 储存温度:** -55°C ~85°C

**Resistance to soldering heat/ 耐焊接热性:** 260°C, 10s Max

**Solderability/ 可焊性:** 245°C ±5°C, 5s ±0.5s

Ⓜ 41NM, 42NM    

Φ4.5x15mm, RoHS Compliant & Pb-Free  
GLASS TUBE FUSE (FAST-BLOW)  
玻璃保险丝管 (速断型)



**INTERRUPTING CAPACITY/ 分断能力:**

- 50 amperes at 300V AC (300mA-5A)
- 100 amperes at 300V AC (15A)
- 50 amperes at 250V AC (300mA-2.25A)
- 100 amperes at 250V AC (2.5A-5A)
- 500 amperes at 125V AC (300mA-5A)
- 100 amperes at 125V AC (1A-15A) PSE (41NM)
- 500 amperes at 125V AC (1A-15A) PSE (42NM)
- 100 amperes at 250V AC (1A-15A) PSE (41NM/42NM)
- 100 amperes at 250V AC (300mA-7A) KC

**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证						REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值
		UR/cUR			PSE		KC	
		H <sub>1</sub>	H <sub>2</sub>	L	H <sub>2</sub>	L	H <sub>2</sub>	
41NM,42NM-0300H <sub>1</sub> /H <sub>2</sub> /L	300mA	●	●	●			●	0.0293
41NM,42NM-0315H <sub>1</sub> /H <sub>2</sub> /L	315mA	●	●	●			●	0.0335
41NM,42NM-0350H <sub>1</sub> /H <sub>2</sub> /L	350mA	●	●	●			●	0.040
41NM,42NM-0375H <sub>1</sub> /H <sub>2</sub> /L	375mA	●	●	●			●	0.044
41NM,42NM-0400H <sub>1</sub> /H <sub>2</sub> /L	400mA	●	●	●			●	0.060
41NM,42NM-0500H <sub>1</sub> /H <sub>2</sub> /L	500mA	●	●	●			●	0.109
41NM,42NM-0600H <sub>1</sub> /H <sub>2</sub> /L	600mA	●	●	●			●	0.167
41NM,42NM-0630H <sub>1</sub> /H <sub>2</sub> /L	630mA	●	●	●			●	0.174
41NM,42NM-0750H <sub>1</sub> /H <sub>2</sub> /L	750mA	●	●	●			●	0.275
41NM,42NM-0800H <sub>1</sub> /H <sub>2</sub> /L	800mA	●	●	●			●	0.284
41NM,42NM-010H <sub>1</sub> /H <sub>2</sub> /L	1A	●	●	●	●	●	●	0.525
41NM,42NM-012H <sub>1</sub> /H <sub>2</sub> /L	1.2A	●	●	●	●	●	●	0.604
41NM,42NM-013H <sub>1</sub> /H <sub>2</sub> /L	1.25A	●	●	●	●	●	●	0.626
41NM,42NM-015H <sub>1</sub> /H <sub>2</sub> /L	1.5A	●	●	●	●	●	●	1.426
41NM,42NM-016H <sub>1</sub> /H <sub>2</sub> /L	1.6A	●	●	●	●	●	●	1.500
41NM,42NM-020H <sub>1</sub> /H <sub>2</sub> /L	2A	●	●	●	●	●	●	3.436
41NM,42NM-023H <sub>1</sub> /H <sub>2</sub> /L	2.25A	●	●	●	●	●	●	3.727
41NM,42NM-025H <sub>1</sub> /H <sub>2</sub> /L	2.5A	●	●	●	●	●	●	5.695
41NM,42NM-030H <sub>1</sub> /H <sub>2</sub> /L	3A	●	●	●	●	●	●	6.546
41NM,42NM-032H <sub>1</sub> /H <sub>2</sub> /L	3.15A	●	●	●	●	●	●	7.202
41NM,42NM-035H <sub>1</sub> /H <sub>2</sub> /L	3.5A	●	●	●	●	●	●	9.454
41NM,42NM-040H <sub>1</sub> /H <sub>2</sub> /L	4A	●	●	●	●	●	●	13.37
41NM,42NM-050H <sub>1</sub> /H <sub>2</sub> /L	5A	●	●	●	●	●	●	21.78
41NM,42NM-060H <sub>1</sub> /H <sub>2</sub> /L	6A				●	●	●	33.06
41NM,42NM-063H <sub>1</sub> /H <sub>2</sub> /L	6.3A				●	●	●	36.45
41NM,42NM-070H <sub>1</sub> /H <sub>2</sub> /L	7A				●	●	●	45.44
41NM,42NM-080H <sub>1</sub> /H <sub>2</sub> /L	8A				●	●	●	65.46
41NM,42NM-090H <sub>1</sub> /H <sub>2</sub> /L	9A				●	●	●	84.27
41NM,42NM-100H <sub>1</sub> /H <sub>2</sub> /L	10A				●	●	●	106.7
41NM,42NM-120H <sub>1</sub> /H <sub>2</sub> /L	12A				●	●	●	
41NM,42NM-150H <sub>1</sub> /H <sub>2</sub> /L	15A	●			●	●	●	

- DENOTES FOR APPROVED      ● 表示已取得安全认证
- H<sub>1</sub> DENOTES FOR 300V      H<sub>1</sub> 表示 300V
- H<sub>2</sub> DENOTES FOR 250V      H<sub>2</sub> 表示 250V
- L DENOTES FOR 125V      L 表示 125V

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hour Min.	最快 4 小时
135%	1 hour Max.	最慢 1 小时
200%	5 seconds Max.(125/250V)	最慢 5 秒
	120 seconds Max.(300V)	最慢 120 秒

Standards/ 标准: UL 248-1, UL 248-14

Operating Temperature/ 工作温度: -55°C ~125°C

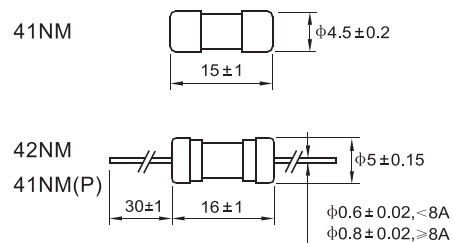
Storing Temperature/ 储存温度: -55°C ~85°C

Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max

Solderability/ 可焊性: 245°C ±5°C, 5s±0.5s

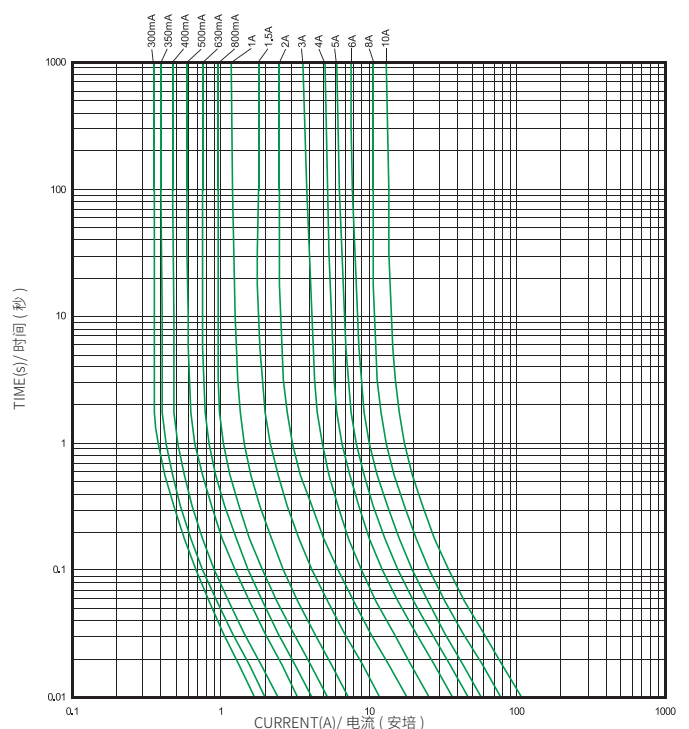
**Dimensions/ 尺寸:**

Unit 单位: mm



**41NM/42NM AVERAGE I-T CHARACTERISTICS CURVE  
(FOR REFERENCE ONLY)**

**41NM/42NM 平均 I-T 曲线图 (仅供参考)**





Ⓜ 51NM,52NM UL CUL RW SP PS JET KC

Φ5.2x20mm, RoHS Compliant & Pb-Free  
GLASS TUBE FUSE (FAST-BLOW)  
玻璃保险丝管 (速断型)

**INTERRUPTING CAPACITY/ 分断能力:**

- 10,000 amperes at 125V AC (32mA-8A)
- 35 amperes at 250V AC (32mA-1A)
- 100 amperes at 250V AC (1.2A-3.5A)
- 200 amperes at 250V AC (4A-8A)
- 100 amperes at 125V AC (1A-15A) PSE (51NM)
- 500 amperes at 125V AC (1A-15A) PSE (52NM)
- 100 amperes at 250V AC (1A-15A) PSE (51NM/52NM)
- 100 amperes at 250V AC (100mA-7A) KC

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
135%	1 hour Max.	最慢 1 小时
200%	5 seconds Max.	最慢 5 秒

**Standards/ 标准: UL 248-1, UL 248-14**

**Operating Temperature/ 工作温度: -55°C ~125°C**

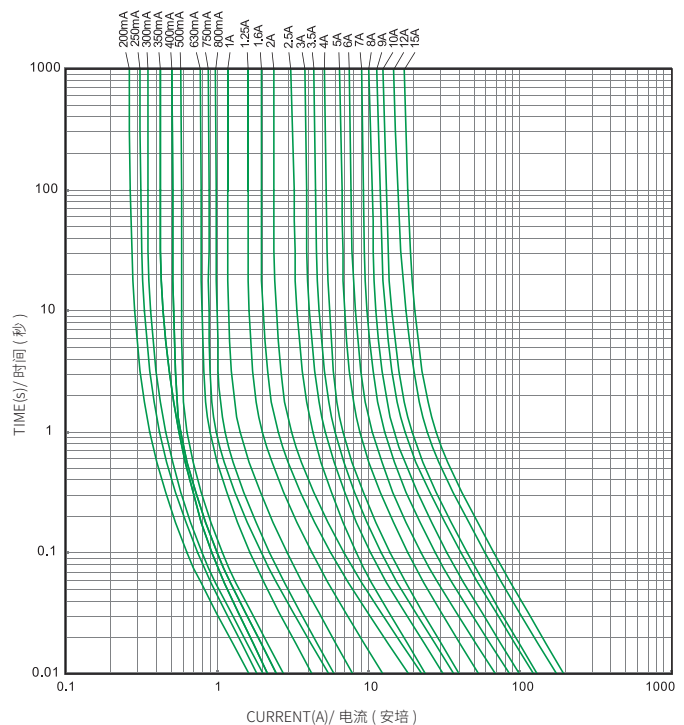
**Storing Temperature/ 储存温度: -55°C ~85°C**

**Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max**

**Solderability/ 可焊性: 245°C ±5°C, 5s±0.5s**

**51NM/52NM AVERAGE I-T CHARACTERISTICS CURVE  
(FOR REFERENCE ONLY)**

**51NM/52NM 平均 I-T 曲线图 (仅供参考)**



**TECHNICAL PARAMETERS/ 技术参数:**

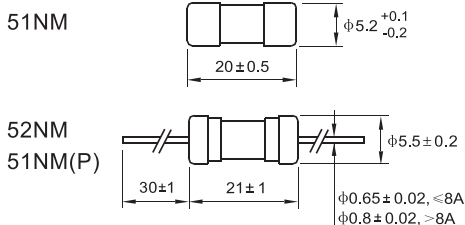
PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证										REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I-T 参考值
		UL(cUL)		UR		CSA		PSE		KC		
		H	L	H	L	H	L	H	L	H	L	
51NM,52NM-0200H/L	200mA	●	●			●	●			●		0.02697
51NM,52NM-0250H/L	250mA	●	●			●	●			●		0.03371
51NM,52NM-0300H/L	300mA	●	●			●	●			●		0.04045
51NM,52NM-0315H/L	315mA	●	●			●	●			●		0.04247
51NM,52NM-0350H/L	350mA	●	●			●	●			●		0.04719
51NM,52NM-0400H/L	400mA	●	●			●	●			●		0.06145
51NM,52NM-0500H/L	500mA	●	●			●	●			●		0.07681
51NM,52NM-0600H/L	600mA	●	●			●	●			●		0.1224
51NM,52NM-0630H/L	630mA	●	●			●	●			●		0.1790
51NM,52NM-0750H/L	750mA	●	●			●	●			●		0.3040
51NM,52NM-0800H/L	800mA	●	●			●	●			●		0.3550
51NM,52NM-010H/L	1A	●	●			●	●	●	●	●	●	0.6167
51NM,52NM-012H/L	1.2A	●	●			●	●	●	●	●	●	1.400
51NM,52NM-013H/L	1.25A	●	●			●	●	●	●	●	●	1.540
51NM,52NM-015H/L	1.5A	●	●			●	●	●	●	●	●	2.076
51NM,52NM-016H/L	1.6A	●	●			●	●	●	●	●	●	3.450
51NM,52NM-020H/L	2A	●	●			●	●	●	●	●	●	5.149
51NM,52NM-025H/L	2.5A	●	●			●	●	●	●	●	●	5.761
51NM,52NM-030H/L	3A	●	●			●	●	●	●	●	●	9.722
51NM,52NM-032H/L	3.15A	●	●			●	●	●	●	●	●	9.835
51NM,52NM-035H/L	3.5A	●	●			●	●	●	●	●	●	13.52
51NM,52NM-040H/L	4A	●	●			●	●	●	●	●	●	15.80
51NM,52NM-050H/L	5A	●	●			●	●	●	●	●	●	29.11
51NM,52NM-060H/L	6A	●	●			●	●	●	●	●	●	47.42
51NM,52NM-063H/L	6.3A	●	●			●	●	●	●	●	●	59.24
51NM,52NM-070H/L	7A	●	●			●	●	●	●	●	●	73.10
51NM,52NM-080H/L	8A	●	●			●	●	●	●	●	●	100.0
51NM,52NM-090H/L	9A							●	●			153.9
51NM,52NM-100H/L	10A							●	●			171.0
51NM,52NM-120H/L	12A							●	●			306.2
51NM,52NM-150H/L	15A							●	●			382.8

- DENOTES FOR APPROVED
- H DENOTES FOR 250V
- L DENOTES FOR 125V

- 表示已取得安全认证
- H表示 250V
- L表示 125V

**Dimensions/ 尺寸:**

Unit 单位: mm





51MS,52MS

Φ5.2x20mm, RoHS Compliant & Pb-Free  
GLASS TUBE FUSE (MEDIUM SLOW-BLOW)  
玻璃保险丝管 (中等慢断型)

**INTERRUPTING CAPACITY/ 分断能力:**

- 10,000 amperes at 125V AC (100mA-8A/10A)
- 35 amperes at 250V AC (100mA-400mA)
- 100 amperes at 250V AC (500mA-8A)
- 200 amperes at 250V AC (10A)
- 100 amperes at 125V AC (1A-15A) PSE (51MS)
- 500 amperes at 125V AC (1A-15A) PSE (52MS)
- 100 amperes at 250V AC (1A-15A) PSE (51MS/52MS)
- 100 amperes at 250V AC (100mA-10A) KC

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
135%	1 hour Max.	最慢 1 小时
200%	20 seconds Max.	最慢 20 秒

**Standards/ 标准: UL 248-1, UL 248-14**

**Operating Temperature/ 工作温度: -55°C ~125°C**

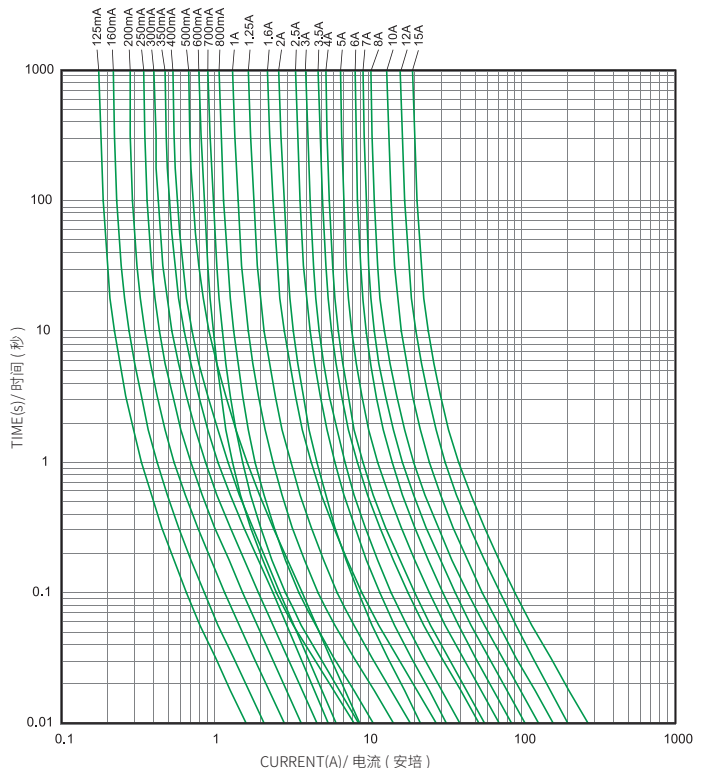
**Storing Temperature/ 储存温度: -55°C ~85°C**

**Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max**

**Solderability/ 可焊性: 245°C ±5°C, 5s±0.5s**

**51MS/52MS AVERAGE I-T CHARACTERISTICS CURVE  
(FOR REFERENCE ONLY)**

**51MS/52MS 平均 I-T 曲线图 (仅供参考)**



**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证										REFERENCE (A <sup>2</sup> .Sec.) (RoHS) iT 参考值	
		UL(cUL)		UR		CSA		PSE		KC			
		H	L	H	L	H	L	H	L	H	L		
51MS,52MS-0100H/L	100mA	●	●			●	●					●	0.01227
51MS,52MS-0125H/L	125mA	●	●			●	●					●	0.02530
51MS,52MS-0150H/L	150mA	●	●			●	●					●	0.02325
51MS,52MS-0160H/L	160mA	●	●			●	●					●	0.04315
51MS,52MS-0200H/L	200mA	●	●			●	●					●	0.08063
51MS,52MS-0250H/L	250mA	●	●			●	●					●	0.1341
51MS,52MS-0300H/L	300mA	●	●			●	●					●	0.2167
51MS,52MS-0315H/L	315mA	●	●			●	●					●	0.2393
51MS,52MS-0350H/L	350mA	●	●			●	●					●	0.3061
51MS,52MS-0375H/L	375mA	●	●			●	●					●	0.4017
51MS,52MS-0400H/L	400mA	●	●			●	●					●	0.3766
51MS,52MS-0500H/L	500mA	●	●			●	●					●	0.7704
51MS,52MS-0600H/L	600mA	●	●			●	●					●	0.6552
51MS,52MS-0630H/L	630mA	●	●			●	●					●	0.6880
51MS,52MS-0700H/L	700mA	●	●			●	●					●	0.7551
51MS,52MS-0750H/L	750mA	●	●			●	●					●	0.8669
51MS,52MS-0800H/L	800mA	●	●			●	●					●	1.165
51MS,52MS-010H/L	1A	●	●			●	●	●	●	●	●	●	2.112
51MS,52MS-012H/L	1.2A	●	●			●	●	●	●	●	●	●	3.608
51MS,52MS-013H/L	1.25A	●	●			●	●	●	●	●	●	●	3.962
51MS,52MS-015H/L	1.5A	●	●			●	●	●	●	●	●	●	6.713
51MS,52MS-016H/L	1.6A	●	●			●	●	●	●	●	●	●	7.795
51MS,52MS-020H/L	2A	●	●	●	●	●	●	●	●	●	●	●	4.888
51MS,52MS-023H/L	2.25A	●	●	●	●	●	●	●	●	●	●	●	6.383
51MS,52MS-025H/L	2.5A	●	●	●	●	●	●	●	●	●	●	●	10.49
51MS,52MS-030H/L	3A	●	●	●	●	●	●	●	●	●	●	●	15.50
51MS,52MS-032H/L	3.15A	●	●	●	●	●	●	●	●	●	●	●	17.41
51MS,52MS-035H/L	3.5A	●	●	●	●	●	●	●	●	●	●	●	27.88
51MS,52MS-040H/L	4A	●	●	●	●	●	●	●	●	●	●	●	33.47
51MS,52MS-050H/L	5A	●	●	●	●	●	●	●	●	●	●	●	51.13
51MS,52MS-060H/L	6A	●	●	●	●	●	●	●	●	●	●	●	75.02
51MS,52MS-063H/L	6.3A	●	●	●	●	●	●	●	●	●	●	●	84.15
51MS,52MS-070H/L	7A	●	●	●	●	●	●	●	●	●	●	●	112.1
51MS,52MS-080H/L	8A	●	●	●	●	●	●	●	●	●	●	●	167.0
51MS,52MS-090H/L	9A	●	●	●	●	●	●	●	●	●	●	●	190.3
51MS,52MS-100H/L	10A	●	●	●	●	●	●	●	●	●	●	●	257.8
51MS,52MS-120H/L	12A							●	●	●	●	●	408.1
51MS,52MS-150H/L	15A							●	●	●	●	●	731.9

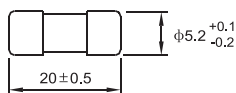
- DENOTES FOR APPROVED      ● 表示已取得安全认证
- H DENOTES FOR 250V            H 表示 250V
- L DENOTES FOR 125V            L 表示 125V

REMARK:52MS-100H WITHOUT UL APPROVAL 备注: 52MS-100H 未取得 UL

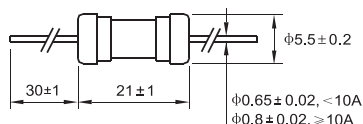
**Dimensions/ 尺寸:**

Unit 单位: mm

51MS



52MS  
51MS(P)





Φ5.2x20mm, RoHS Compliant & Pb-Free  
GLASS TUBE FUSE (SLOW-BLOW)  
玻璃保险丝管 (慢断型)

**INTERRUPTING CAPACITY/ 分断能力:**

- 10,000 amperes at 125V AC (32mA-8A)
- 35 amperes at 250V AC (32mA-1A)
- 100 amperes at 250V AC (1.2mA-3.5A)
- 200 amperes at 250V AC (4A-8A)
- 100 amperes at 125V AC (1A-15A) PSE (51S)
- 500 amperes at 125V AC (1A-15A) PSE (52S)
- 100 amperes at 250V AC (1A-15A) PSE (51S/52S)
- 100 amperes at 250V AC (100mA-10A) KC

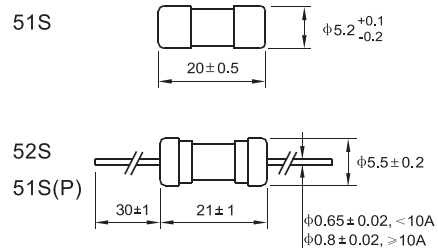
**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证										REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值
		UL(cUL)		UR		CSA		PSE		KC		
		H	L	H	L	H	L	H	L	H	L	
51S,52S-0100H/L	100mA	●	●			●	●					0.03971
51S,52S-0125H/L	125mA	●	●			●	●					0.04963
51S,52S-0150H/L	150mA	●	●			●	●					0.1613
51S,52S-0160H/L	160mA	●	●			●	●					0.1720
51S,52S-0200H/L	200mA	●	●			●	●					0.2224
51S,52S-0250H/L	250mA	●	●			●	●					0.2780
51S,52S-0300H/L	300mA	●	●			●	●					0.4817
51S,52S-0315H/L	315mA	●	●			●	●					0.5257
51S,52S-0350H/L	350mA	●	●			●	●					0.9952
51S,52S-0375H/L	375mA	●	●			●	●					0.8734
51S,52S-0400H/L	400mA	●	●			●	●					1.2604
51S,52S-0500H/L	500mA	●	●			●	●					1.9567
51S,52S-0600H/L	600mA	●	●			●	●					0.5040
51S,52S-0630H/L	630mA	●	●			●	●					0.5660
51S,52S-0700H/L	700mA	●	●			●	●					0.7183
51S,52S-0750H/L	750mA	●	●			●	●					0.8350
51S,52S-0800H/L	800mA	●	●			●	●					1.030
51S,52S-010H/L	1A	●	●			●	●	●	●	●	●	2.242
51S,52S-012H/L	1.2A	●	●			●	●	●	●	●	●	3.960
51S,52S-013H/L	1.25A	●	●			●	●	●	●	●	●	4.070
51S,52S-015H/L	1.5A	●	●			●	●	●	●	●	●	8.440
51S,52S-016H/L	1.6A	●	●			●	●	●	●	●	●	9.800
51S,52S-020H/L	2A	●	●			●	●	●	●	●	●	13.95
51S,52S-025H/L	2.5A	●	●			●	●	●	●	●	●	24.49
51S,52S-030H/L	3A		●			●	●	●	●	●	●	14.15
51S,52S-032H/L	3.15A		●			●	●	●	●	●	●	14.35
51S,52S-035H/L	3.5A		●			●	●	●	●	●	●	21.12
51S,52S-040H/L	4A		●			●	●	●	●	●	●	30.80
51S,52S-050H/L	5A		●			●	●	●	●	●	●	46.97
51S,52S-060H/L	6A		●			●	●	●	●	●	●	69.59
51S,52S-063H/L	6.3A		●			●	●	●	●	●	●	73.07
51S,52S-070H/L	7A		●			●	●	●	●	●	●	104.5
51S,52S-080H/L	8A		●			●	●	●	●	●	●	152.0
51S,52S-090H/L	9A		●			●	●	●	●	●	●	206.8
51S,52S-100H/L	10A		●			●	●	●	●	●	●	274.6
51S,52S-120H/L	12A		●			●	●	●	●	●	●	387.9
51S,52S-150H/L	15A		●			●	●	●	●	●	●	690.3

● DENOTES FOR APPROVED      ●表示已取得安全认证  
H DENOTES FOR 250V          H表示 250V  
L DENOTES FOR 125V          L表示 125V

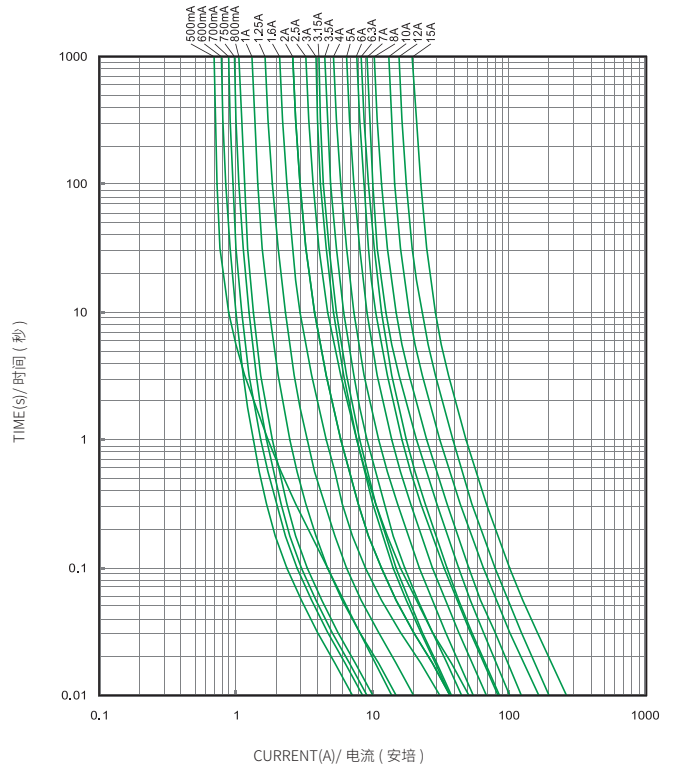
**Dimensions/ 尺寸:**

Unit单位: mm



**51S/52S AVERAGE I-T CHARACTERISTICS CURVE  
(FOR REFERENCE ONLY)**

**51S/52S 平均 I-T 曲线图 (仅供参考)**



**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
135%	1 hour Max.	最慢 1 小时
200%	120 seconds Max.	最慢 120 秒

**Standards/ 标准:** UL 248-1, UL 248-14

**Operating Temperature/ 工作温度:** -55°C ~125°C

**Storing Temperature/ 储存温度:** -55°C ~85°C

**Resistance to soldering heat/ 耐焊接热性:** 260°C, 10s Max

**Solderability/ 可焊性:** 245°C ±5°C, 5s±0.5s



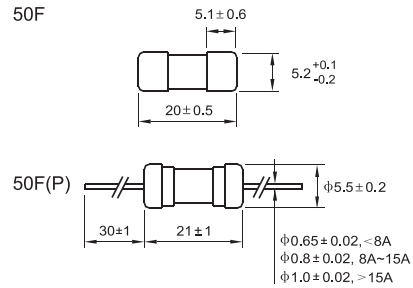
Φ5.2x20mm IEC STANDARD FUSE RoHS Compliant & Pb-Free  
 LOW-BREAKING CAPACITY GLASS  
 TUBE FUSE (QUICK-ACTING)  
 低分断能力玻璃保险丝管 (速断型)

**BREAKING CAPACITY/ 分断能力:**

35A OR 10In 250V AC WHICHEVER IS GREATER (125mA-16A)

**Dimensions/ 尺寸:**

Unit 单位: mm



**Standards/ 标准:** IEC 60127 GB 9364

**Operating Temperature/ 工作温度:** -55°C ~125°C

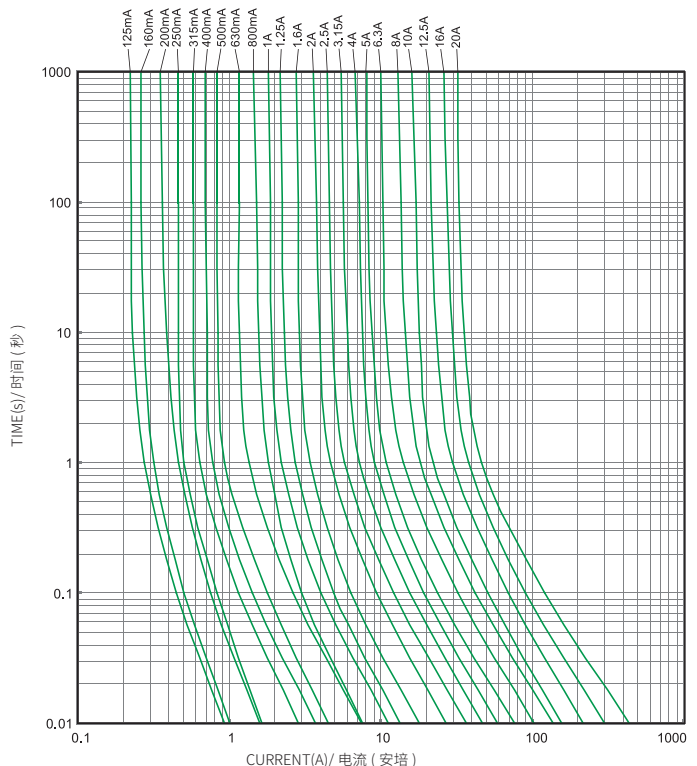
**Storing Temperature/ 储存温度:** -55°C ~85°C

**Resistance to soldering heat/ 耐焊接热性:** 260°C, 10s Max

**Solderability/ 可焊性:** 245°C ±5°C, 5s ±0.5s

**50F AVERAGE I-T CHARACTERISTICS CURVE (FOR REFERENCE ONLY)**

**50F 平均 I-T 曲线图 (仅供参考)**



**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	MAX. VOLTAGE DROP 最大电压降 (mV)	SAFETY APPROVALS 安全认证									REFERENCE (A°.Sec.) (RoHS) I-T 参考值		
			CCC	CQC	SEMKO	VDE	BSI	IMQ	UR (CUR)	CSA	PSE		KC	
50F-0160H	160mA	2000											●	0.0099
50F-0200H	200mA	1700	●		●	●	●	●	●	●	●	●	●	0.02563
50F-0250H	250mA	1400	●		●	●	●	●	●	●	●	●	●	0.02717
50F-0315H	315mA	1300	●		●	●	●	●	●	●	●	●	●	0.08200
50F-0400H	400mA	1200	●		●	●	●	●	●	●	●	●	●	0.1224
50F-0500H	500mA	1000	●		●	●	●	●	●	●	●	●	●	0.2050
50F-0630H	630mA	650	●		●	●	●	●	●	●	●	●	●	0.5505
50F-0750H	750mA	400											●	0.7780
50F-0800H	800mA	240	●		●	●	●	●	●	●	●	●	●	0.5747
50F-010H	1A	200	●		●	●	●	●	●	●	●	●	●	1.240
50F-013H	1.25A	200	●		●	●	●	●	●	●	●	●	●	1.810
50F-016H	1.6A	190	●		●	●	●	●	●	●	●	●	●	3.200
50F-020H	2A	170	●		●	●	●	●	●	●	●	●	●	7.256
50F-025H	2.5A	170	●		●	●	●	●	●	●	●	●	●	13.69
50F-032H	3.15A	150	●		●	●	●	●	●	●	●	●	●	22.33
50F-040H	4A	130	●		●	●	●	●	●	●	●	●	●	35.19
50F-050H	5A	130	●		●	●	●	●	●	●	●	●	●	58.83
50F-063H	6.3A	130	●		●	●	●	●	●	●	●	●	●	104.6
50F-080H	8A	130		●	●	●							●	185.6
50F-100H	10A	130		●	●	●							●	244.4
50F-120H	12A	100											●	428.5
50F-125H	12.5A	100		●	●	●							●	473.1
50F-150H	15A	100											●	838.8
50F-160H	16A	100		●	●	●							●	894.7
50F-200H	20A	100											●	1877

● DENOTES FOR APPROVED

● 表示已取得安全认证

H DENOTES FOR 250V

H 表示 250V

**REMARK 备注:**

50F(P)-125H/160H WITHOUT VDE/SEMKO APPROVAL

50F(P)-125H/160H 产品无 VDE/SEMKO 认证

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

RATING 额定		BLOWING TIME 熔断时间			
		125mA-6.3A	8A-10A	12A-16A	>16A
2.1In	Max. 最慢	30 minutes	30 minutes	30 minutes	30 minutes
	Min. 最快	50 ms	50 ms	50 ms	100 ms
2.75In	Max. 最慢	2 seconds	2 seconds	3 seconds	6 seconds
	Min. 最快	10 ms	10 ms	10 ms	20 ms
4In	Max. 最慢	300 ms	400 ms	400 ms	600 ms
	Min. 最快	20 ms	40 ms	50 ms	60 ms



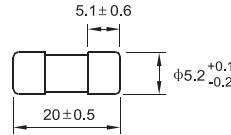
Φ5.2x20mm IEC STANDARD FUSE RoHS Compliant & Pb-Free  
**LOW-BREAKING CAPACITY GLASS TUBE FUSE (TIME-LAG)**  
**低分断能力玻璃保险丝管 (慢断型)**

**BREAKING CAPACITY/ 分断能力:**  
 35A OR 10In 250V AC WHICHEVER IS GREATER

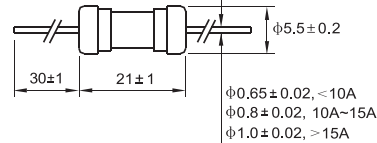
**Dimensions/ 尺寸:**

Unit 单位: mm

50T



50T(P)



**Standards/ 标准:** IEC 60127 GB 9364

**Operating Temperature/ 工作温度:** -55°C ~125°C

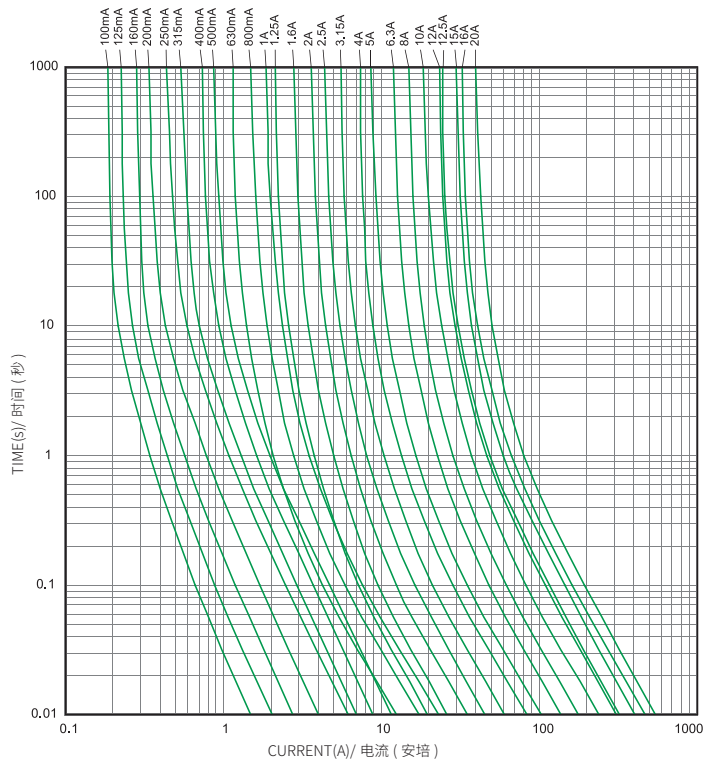
**Storing Temperature/ 储存温度:** -55°C ~85°C

**Resistance to soldering heat/ 耐焊接热性:** 260°C, 10s Max

**Solderability/ 可焊性:** 245°C ±5°C, 5s ±0.5s

**50T AVERAGE I-T CHARACTERISTICS CURVE**  
 (FOR REFERENCE ONLY)

**50T 平均 I-T 曲线图 (仅供参考)**



**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	MAX. VOLTAGE DROP 最大电压降 (mv)	SAFETY APPROVALS 安全认证									REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I-T 参考值	
			CCC	CQC	SEMKO	VDE	BSI	IMQ	UR (CUR)	CSA	PSE		KC
50T-0100H	100mA	2500	●										0.0223
50T-0125H	125mA	2000	●										0.0417
50T-0160H	160mA	1900	●										0.0767
50T-0200H	200mA	1500	●										0.1628
50T-0250H	250mA	1300	●										0.3808
50T-0315H	315mA	1100	●										0.4833
50T-0400H	400mA	1000	●										0.7968
50T-0500H	500mA	900	●										1.362
50T-0630H	630mA	300	●										1.583
50T-0800H	800mA	250	●										3.004
50T-010H	1A	150	●										5.309
50T-013H	1.25A	150	●										3.879
50T-016H	1.6A	150	●										6.890
50T-020H	2A	150	●										12.33
50T-025H	2.5A	120	●										20.63
50T-032H	3.15A	100	●										36.91
50T-040H	4A	100	●										70.56
50T-050H	5A	100	●										108.7
50T-063H	6.3A	100	●										187.8
50T-080H	8A	100	●										314.9
50T-100H	10A	100	●										583.4
50T-120H	12A	80	●										958.9
50T-125H	12.5A	80	●										1045
50T-150H	15A	80	●										1668
50T-160H	16A	80	●										2231
50T-200H	20A	80	●										3010

● DENOTES FOR APPROVED

● 表示已取得安全认证

H DENOTES FOR 250V

H 表示 250V

REMARK 备注:

50T(P)-160H WITHOUT VDE AND SEMKO APPROVAL

50T(P)-160H 产品无 VDE 和 SEMKO 认证

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

RATING 额定		BLOWING TIME 熔断时间		
		100mA	125mA-10A	>10A
2.1In	Max. 最慢	2 minutes	2 minutes	5 minutes
	Min. 最快	200 ms	600 ms	600 ms
2.75In	Max. 最慢	10 seconds	10 seconds	15 seconds
	Min. 最快	40 ms	150 ms	150 ms
4In	Max. 最慢	3 seconds	3 seconds	5 seconds
	Min. 最快	10 ms	20 ms	20 ms
10In	Max. 最慢	300 ms	300 ms	400 ms





50CF CCC CQC S VDE TÜV PS JET

Φ5.2x20mm IEC STANDARD FUSE RoHS Compliant & Pb-Free  
 HIGH BREAKING CAPACITY CERAMIC  
 TUBE FUSE (QUICK-ACTING)  
 高分断能力瓷保险丝管 (速断型)

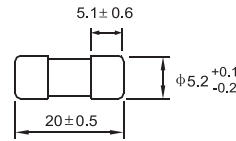
**BREAKING CAPACITY/ 分断能力:**

1,500 amperes at 250V AC  
 10,000 amperes at 250V AC (250mA-6.3A) UR/cUR

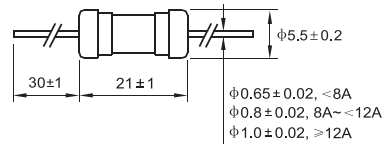
**Dimensions/ 尺寸:**

Unit 单位: mm

50CF



50CF(P)



**Standards/ 标准:** IEC 60127 GB 9364

**Operating Temperature/ 工作温度:** -55°C ~125°C

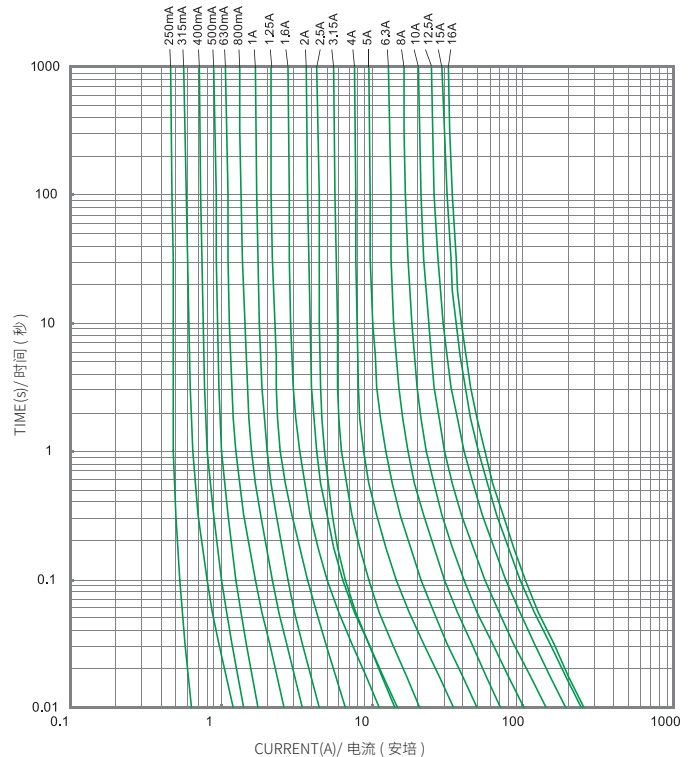
**Storing Temperature/ 储存温度:** -55°C ~85°C

**Resistance to soldering heat/ 耐焊接热性:** 260°C, 10s Max

**Solderability/ 可焊性:** 245°C ±5°C, 5s ±0.5s

**50CF AVERAGE I-T CHARACTERISTICS CURVE  
 (FOR REFERENCE ONLY)**

**50CF 平均 I-T 曲线图 (仅供参考)**



**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	MAX. VOLTAGE DROP 最大电压降 (mv)	SAFETY APPROVALS 安全认证							REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值
			CCC	CQC	SEMKO	VDE	UR/cUR	BSI	PSE	
50CF-0250H	250mA	2800	●	●	●	●	●	●	0.0040	
50CF-0315H	315mA	2500	●	●	●	●	●	●	0.0142	
50CF-0400H	400mA	2000	●	●	●	●	●	●	0.0200	
50CF-0500H	500mA	1800	●	●	●	●	●	●	0.0309	
50CF-0630H	630mA	1500	●	●	●	●	●	●	0.0672	
50CF-0800H	800mA	1200	●	●	●	●	●	●	0.1210	
50CF-010H	1A	1000	●	●	●	●	●	●	0.2019	
50CF-013H	1.25A	800	●	●	●	●	●	●	0.4489	
50CF-016H	1.6A	600	●	●	●	●	●	●	1.243	
50CF-020H	2A	500	●	●	●	●	●	●	2.204	
50CF-025H	2.5A	400	●	●	●	●	●	●	1.995	
50CF-032H	3.15A	350	●	●	●	●	●	●	4.271	
50CF-040H	4A	300	●	●	●	●	●	●	12.22	
50CF-050H	5A	250	●	●	●	●	●	●	24.20	
50CF-063H	6.3A	200	●	●	●	●	●	●	51.30	
50CF-080H	8A	200	●	●	●	●	●	●	102.2	
50CF-100H	10A	200	●	●	●	●	●	●	204.7	
50CF-120H	12A	200	●	●	●	●	●	●	360.5	
50CF-125H	12.5A	180	●	●	●	●	●	●	407.6	
50CF-150H	15A	180	●	●	●	●	●	●	698.5	
50CF-160H	16A	180	●	●	●	●	●	●	891.2	

● DENOTES FOR APPROVED      ● 表示已取得安全认证  
 H DENOTES FOR 250V          H 表示 250V

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

RATING 额定		BLOWING TIME 熔断时间			
		250mA-4A	5A-6.3A	8A-10A	>10A
2.1In	Max. 最慢	30 minutes	30 minutes	30 minutes	30 minutes
	Min. 最快	10 ms	10 ms	40 ms	40 ms
2.75In	Max. 最慢	2 seconds	3 seconds	20 seconds	20 seconds
	Min. 最快	3 ms	3 ms	10 ms	10 ms
4In	Max. 最慢	300 ms	300 ms	1 second	1 second
	Min. 最快	20 ms	20 ms	30 ms	40 ms



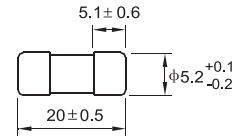
Φ5.2x20mm IEC STANDARD FUSE RoHS Compliant & Pb-Free  
 HIGH BREAKING CAPACITY CERAMIC  
 TUBE FUSE (TIME-LAG)  
 高分断能力瓷保险丝管 (慢断型)

**BREAKING CAPACITY/ 分断能力:**  
 1,500 amperes at 250V AC

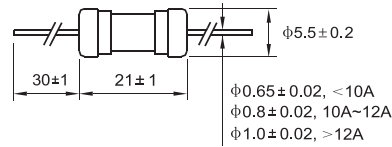
**Dimensions/ 尺寸:**

Unit unit: mm

50CT



50CT(P)



**Standards/ 标准:** IEC 60127 GB 9364

**Operating Temperature/ 工作温度:** -55°C ~ 125°C

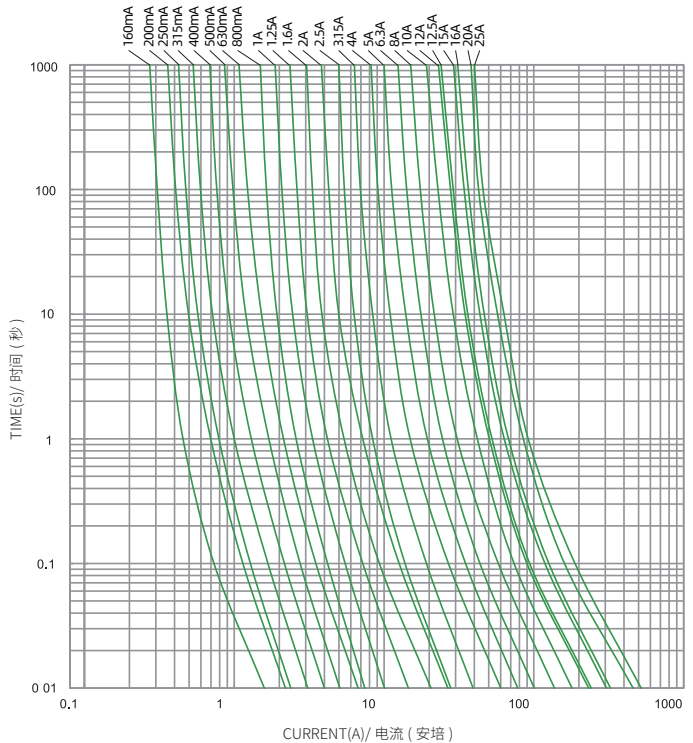
**Storing Temperature/ 储存温度:** -55°C ~ 85°C

**Resistance to soldering heat/ 耐焊接热性:** 260°C, 10s Max

**Solderability/ 可焊性:** 245°C ± 5°C, 5s ± 0.5s

**50CT AVERAGE I-T CHARACTERISTICS CURVE**  
 (FOR REFERENCE ONLY)

**50CT 平均 I-T 曲线图 (仅供参考)**



**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	MAX. VOLTAGE DROP 最大电压降 (mv)	SAFETY APPROVALS 安全认证									REFERENCE (A <sup>2</sup> ·Sec.) (RoHS) iT 参考值	
			CCC	CQC	SMD	VDE	BSI	UR/ULR	PSE	KC	TUV		
50CT-0200H	200mA	2100								●			0.0480
50CT-0250H	250mA	1500								●			0.0570
50CT-0315H	315mA	1100								●			0.0960
50CT-0400H	400mA	1000								●			0.1610
50CT-0500H	500mA	850								●			0.2570
50CT-0630H	630mA	650								●			0.4510
50CT-0800H	800mA	500								●			0.5532
50CT-010H	1A	350	●	●	●	●	●	●	●	●			1.014
50CT-013H	1.25A	300	●	●	●	●	●	●	●	●			2.115
50CT-016H	1.6A	200	●	●	●	●	●	●	●	●			4.238
50CT-020H	2A	190	●	●	●	●	●	●	●	●			7.120
50CT-025H	2.5A	180	●	●	●	●	●	●	●	●			7.781
50CT-032H	3.15A	140	●	●	●	●	●	●	●	●			15.46
50CT-040H	4A	100	●	●	●	●	●	●	●	●			37.60
50CT-050H	5A	100	●	●	●	●	●	●	●	●			60.95
50CT-063H	6.3A	100	●	●	●	●	●	●	●	●			101.3
50CT-080H	8A	100	●	●	●	●	●	●	●	●			188.7
50CT-100H	10A	100	●	●	●	●	●	●	●	●			323.4
50CT-120H	12A	180								●	●	●	539.2
50CT-125H	12.5A	180		●	●	●				●	●	●	585.1
50CT-150H	15A	180								●	●	●	934.1
50CT-160H	16A	140		●	●	●				●	●	●	1055
50CT-200H	20A	100								●			2116
50CT-250H	25A	100								●			2709

● DENOTES FOR APPROVED ● 表示已取得安全认证  
 H DENOTES FOR 250V H 表示 250V

**REMARK 备注:**

50CT(P)-125H WITHOUT VDE APPROVAL

50CT(P)-125H 产品无 VDE 认证

50CT(P)-160H WITHOUT VDE APPROVAL

50CT(P)-160H 产品无 VDE 认证

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

RATING 额定		BLOWING TIME 熔断时间			
		200mA-800mA	1A-3.15A	4A-10A	>10A
2.1In	Max. 最慢	30 minutes	30 minutes	30 minutes	30 minutes
	Min. 最快	250 ms	750ms	750 ms	1 second
2.75In	Max. 最慢	80 seconds	80 seconds	80 seconds	80 seconds
	Min. 最快	50 ms	95 ms	150 ms	150 ms
4In	Max. 最慢	5 seconds	5 seconds	5 seconds	8 seconds
	Min. 最快	5 ms	10 ms	10 ms	20 ms
10In	Max. 最慢	150 ms	150 ms	150 ms	150 ms



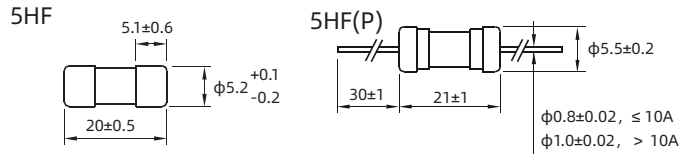
Φ5.2x20mm RoHS Compliant & Pb-Free  
CERAMIC TUBE FUS (QUICK-ACTING)  
瓷保险丝管 (速断型)

**BREAKING CAPACITY/ 分断能力:**

- 1,500A amperes at 300V AC
- 1,000A amperes at 420V AC / 500V AC (250mA-3.15A)
- 200A amperes at 420V AC / 500V AC (4A-20A)
- 100A amperes at 600V AC
- 1,500A amperes at 300V DC Time Constant ≤ 1ms
- 1,500A amperes at 420V DC / 450V DC(250mA-3,15A) Time Constant ≤ 1ms
- 400A amperes at 420V DC / 450V DC(4A-20A) Time Constant ≤ 1ms
- 100A amperes at 300V AC(1A-20A) (PSE)

**Dimensions/ 尺寸:**

Unit 单位: mm



**Standards/ 标准: IEC 60127**

**Operating Temperature/ 工作温度: -55°C ~125°C**

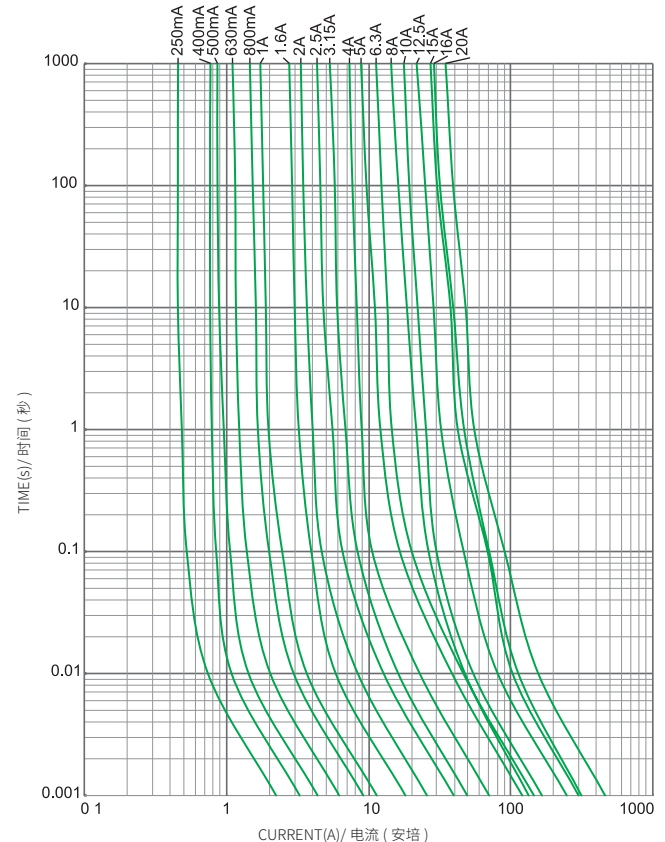
**Storing Temperature/ 储存温度: -55°C ~85°C**

**Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max**

**Solderability/ 可焊性: 245°C ±5°C, 5S±0.5S**

**5HF AVERAGE I-T CHARACTERISTICS CURVE  
(FOR REFERENCE ONLY)**

**5HF 平均 I-T 曲线图 (仅供参考)**



**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	MAX. VOLTAGE DROP (mv) 最大电压降	SAFETY APPROVALS 安全认证			REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值
			cURus	TÜV	PSE	
5HF-0250H	250mA	2800	●	●		0.0054
5HF-0315H	315mA	2500	●	●		0.068
5HF-0400H	400mA	2000	●	●		0.0117
5HF-0500H	500mA	1800	●	●		0.0202
5HF-0630H	630mA	1500	●	●		0.0409
5HF-0800H	800mA	1200	●	●		0.0874
5HF-010H	1A	1000	●	●	●	0.1330
5HF-013H	1.25A	800	●	●	●	0.1664
5HF-016H	1.6A	600	●	●	●	0.3415
5HF-020H	2A	500	●	●	●	0.6986
5HF-025H	2.5A	400	●	●	●	1.613
5HF-032H	3.15A	350	●	●	●	2.592
5HF-040H	4A	300	●	●	●	5.200
5HF-050H	5A	250	●	●	●	14.55
5HF-063H	6.3A	200	●	●	●	21.38
5HF-080H	8A	200	●	●	●	17.94
5HF-100H	10A	200	●	●	●	29.51
5HF-120H	12A	200	●	●	●	56.19
5HF-125H	12.5A	180	●	●	●	61.96
5HF-150H	15A	180	●	●	●	90.41
5HF-160H	16A	180	●	●	●	98.79
5HF-200H	20A	180	●	●	●	211.3
5HF-250H	25A	180	●			

● DENOTES FOR APPROVED

H DENOTES FOR 500V

H<sub>1</sub> DENOTES FOR 420V

H<sub>2</sub> DENOTES FOR 450V

H<sub>3</sub> DENOTES FOR 600V

L DENOTES FOR 300V

● 表示已取得安全认证

H 表示 500V

H<sub>1</sub> 表示 420V

H<sub>2</sub> 表示 450V

H<sub>3</sub> 表示 600V

L 表示 300V

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

RATING 额定	BLOWING TIME 熔断时间	BLOWING TIME 熔断时间			
		250mA-4A	5A-6.3A	8A-10A	>10A
2.1In	Max. 最慢	30 minutes	30 minutes	30 minutes	30 minutes
	Min. 最快	10 ms	10 ms	40 ms	40 ms
2.75In	Max. 最慢	2 seconds	3 seconds	20 seconds	20 seconds
	Min. 最快	3 ms	3 ms	10 ms	10 ms
4In	Max. 最慢	300 ms	300 ms	1 second	1 second
	Min. 最快	20 ms	20 ms	30 ms	40 ms



Φ5.2x20mm RoHS Compliant & Pb-Free  
**CERAMIC TUBE FUSE (TIME-LAG)**  
 瓷保险丝管 (慢断型)

**BREAKING CAPACITY/ 分断能力:**

200A amperes at 500V AC  
 100A amperes at 600V AC  
 1,500 amperes at 400V DC (2A-3.15A) Time Constant ≤ 1ms  
 500 amperes at 400V DC (4A-10A) Time Constant ≤ 1ms  
 400 amperes at 400V DC (12A-16A) Time Constant ≤ 1ms

**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	MAX. VOLTAGE DROP 最大电压降 (mv)	SAFETY APPROVALS 安全认证		REFERENCE (A²·Sec.) (RoHS) I <sup>2</sup> T 参考值
			cURus	TÜV	
5HT-020H	2A	190	●	●	7.952
5HT-025H	2.5A	180	●	●	9.746
5HT-032H	3.15A	140	●	●	10.24
5HT-040H	4A	100	●	●	22.48
5HT-050H	5A	100	●	●	33.52
5HT-063H	6.3A	100	●	●	68.18
5HT-080H	8A	100	●	●	73.46
5HT-100H	10A	100	●	●	123.2
5HT-120H	12A	80	●	●	234.1
5HT-125H	12.5A	80	●	●	272.2
5HT-150H	15A	80	●	●	349.1
5HT-160H	16A	80	●	●	445.2
5HT-200H	20A	80	○	○	
5HT-250H	25A	80	○	○	

- DENOTES FOR APPROVED      ● 表示已取得安全认证
- DENOTES FOR PENDING      ○ 表示正在申请安全认证
- H DENOTES FOR 500V      H 表示 500V
- H<sub>1</sub> DENOTES FOR 400V      H<sub>1</sub> 表示 400V
- H<sub>2</sub> DENOTES FOR 600V      H<sub>2</sub> 表示 600V

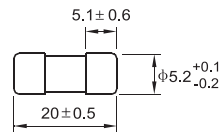
**ELECTRICAL CHARACTERISTICS/ 电气特性:**

RATING 额定		BLOWING TIME 熔断时间		
		2A-3.15A	4A-10A	>10A
2.1In	Max. 最慢	30 minutes	30 minutes	30 minutes
	Min. 最快	750 ms	750 ms	1 second
2.75In	Max. 最慢	80 seconds	80 seconds	80 seconds
	Min. 最快	95 ms	150 ms	150 ms
4In	Max. 最慢	5 seconds	5 seconds	8 seconds
	Min. 最快	10 ms	10 ms	20 ms
10In	Max. 最慢	150 ms	150 ms	150 ms

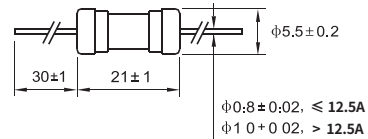
**Dimensions/ 尺寸:**

Unit 单位: mm

**5HT**



**5HT(P)**



**Standards/ 标准: IEC 60127 GB 9364**

**Operating Temperature/ 工作温度: -55°C ~125°C**

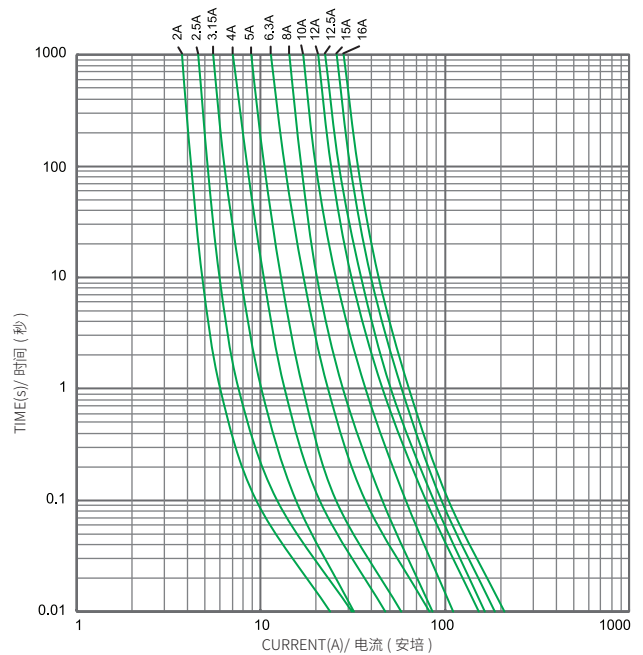
**Storing Temperature/ 储存温度: -55°C ~85°C**

**Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max**

**Solderability/ 可焊性: 245°C ±5°C, 5s±0.5s**

**5HT AVERAGE I-T CHARACTERISTICS CURVE  
 (FOR REFERENCE ONLY)**

**5HT 平均 I-T 曲线图 (仅供参考)**





**H 5FF**

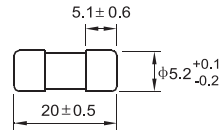
Φ5.2x20mm RoHS Compliant & Pb-Free  
**HIGH BREAKING CAPACITY CERAMIC  
 TUBE FUSE (VERY FAST-ACTING)**  
 高分断能力瓷保险丝管 (特快熔断型)

**BREAKING CAPACITY/ 分断能力:**  
 1,500 amperes at 250V AC

**Dimensions/ 尺寸:**

Unit 单位: mm

**5FF**



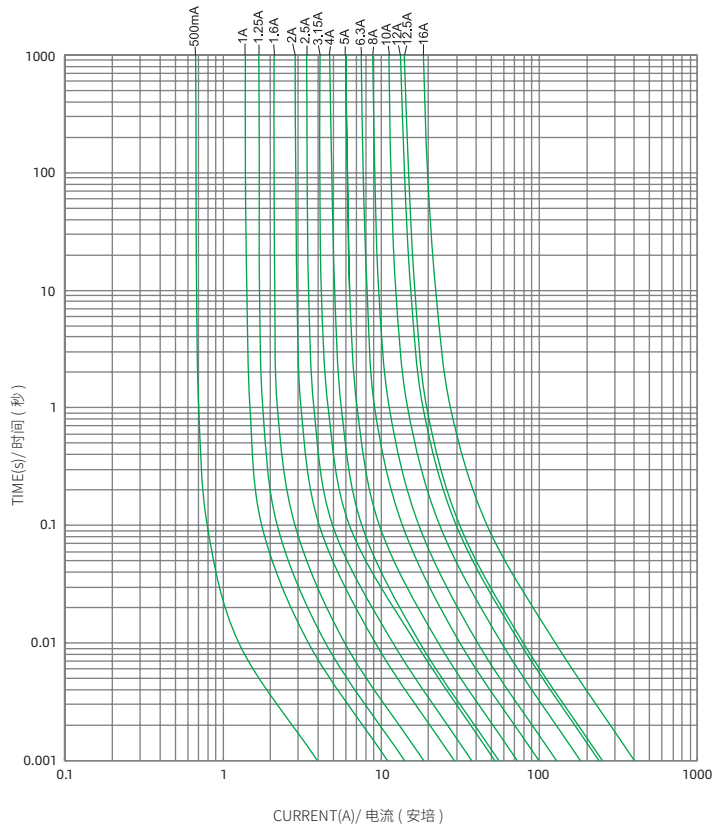
**Standards/ 标准: IEC 60127**

**Operating Temperature/ 工作温度: -55°C ~125°C**

**Storing Temperature/ 储存温度: -55°C ~85°C**

**5FF AVERAGE I-T CHARACTERISTICS CURVE  
 (FOR REFERENCE ONLY)**

**5FF 平均 I-T 曲线图 (仅供参考)**



**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	REFERENCE (A <sup>2</sup> ·Sec.) (RoHS) I <sup>2</sup> T 参考值
5FF-0500H	500mA	0.0159
5FF-0630H	630mA	
5FF-0800H	800mA	
5FF-010H	1A	0.1208
5FF-013H	1.25A	0.1986
5FF-016H	1.6A	0.3476
5FF-020H	2A	0.8484
5FF-025H	2.5A	1.416
5FF-032H	3.15A	2.751
5FF-040H	4A	3.100
5FF-050H	5A	5.316
5FF-063H	6.3A	9.964
5FF-080H	8A	16.69
5FF-100H	10A	33.48
5FF-120H	12A	57.20
5FF-125H	12.5A	63.05
5FF-160H	16A	160.5

**H DENOTES FOR 250V**

**H 表示 250V**

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

RATING 额定	BLOWING TIME 熔断时间	
	≤ 10A	>10A
1.0In	Min. 最快 1h	1h
1.5In	Max. 最慢 30 minutes	30 minutes
2.75In	Min. 最快 2 ms	2 ms
	Max. 最慢 100 ms	200 ms
4In	Min. 最快 1 ms	1 ms
	Max. 最慢 50 ms	100 ms
10In	Max. 最慢 5 ms	10 ms



**60NM** 

$\Phi 6.35 \times 32\text{mm}$  RoHS Compliant & Pb-Free  
**CERAMIC TUBE FUSE (NORMAL-BLOW)**  
瓷保险丝管 (普通型)

**BREAKING CAPACITY/ 分断能力:**

- 2500A at 75V AC
- 2000A at 125V AC
- 1500A at 250V AC

**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证			REFERENCE (A <sup>2</sup> ·Sec.) (RoHS) I <sup>2</sup> T 参考值
		cURus			
		H	L	L1	
60NM-250H/L/L1	25A	●	●	●	2149
60NM-300H/L/L1	30A	●	●	●	2748
60NM-400H/L/L1	40A	●	●	●	8099
60NM-500H/L/L1	50A	●	●	●	12199

● DENOTES FOR APPROVED      ● 表示已取得安全认证  
 H DENOTES FOR 250V            H 表示 250V AC  
 L DENOTES FOR 125V            L 表示 125V AC  
 L<sub>1</sub> DENOTES FOR 75V            L<sub>1</sub> 表示 75V AC

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间
100%	4 hour Min.
200%	120c. Maximum

**Standards/ 标准:** UL 248-1, UL 248-14

**Operating Temperature/ 工作温度:** -55°C ~125°C

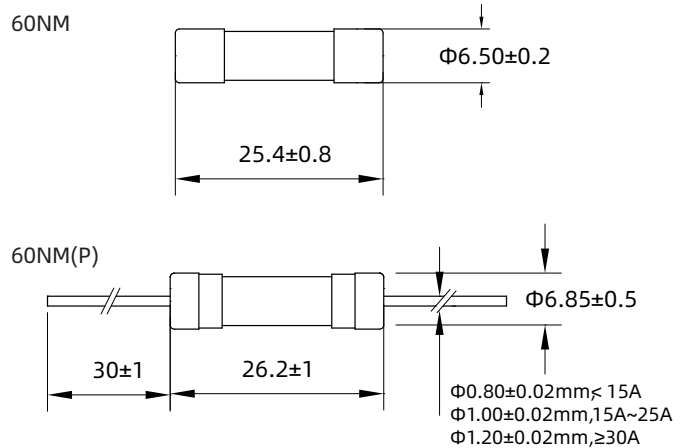
**Storing Temperature/ 储存温度:** -55°C ~85°C

**Resistance to soldering heat/ 耐焊接热性:** 260°C, 10s Max.

**Solderability/ 可焊性:** 245°C ±5°C, 5s±0.5s

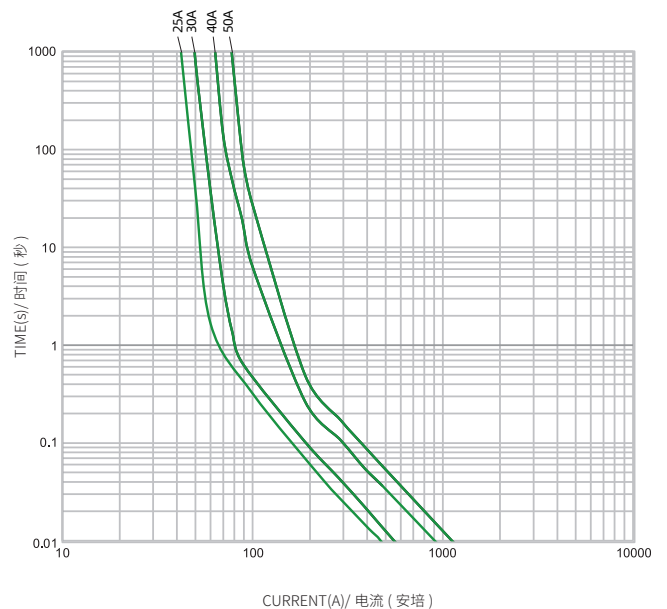
**Dimensions/ 尺寸:**

Unit 单位: mm



**60NM AVERAGE I-T CHARACTERISTICS CURVE**  
(FOR REFERENCE ONLY)

**60NM 平均 I-T 曲线图 (仅供参考)**





**61NM,62NM** UL C UL SR IEC PS JET KC

**Φ6.35x32mm, RoHS Compliant & Pb-Free**  
**GLASS TUBE FUSE (FAST BLOW)**  
**玻璃保险丝管 (速断型)**

**TECHNICAL PARAMETERS/ 技术参数 :**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证									REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值	
		UL(cUL)			UR/cUR		CSA		PSE			KC
		H	L	L1	H	L	H	L	H	L		
61NM,62NM-0200H/L	200mA	●	●		●	●				●	0.00655	
61NM,62NM-0250H/L	250mA	●	●		●	●				●	0.0123	
61NM,62NM-0300H/L	300mA	●	●		●	●				●	0.0215	
61NM,62NM-0315H/L	315mA	●	●		●	●				●	0.0239	
61NM,62NM-0350H/L	350mA	●	●		●	●				●	0.0384	
61NM,62NM-0400H/L	400mA	●	●		●	●				●	0.0515	
61NM,62NM-0500H/L	500mA	●	●		●	●				●	0.112	
61NM,62NM-0600H/L	600mA	●	●		●	●				●	0.213	
61NM,62NM-0630H/L	630mA	●	●		●	●				●	0.239	
61NM,62NM-0750H/L	750mA	●	●		●	●				●	0.399	
61NM,62NM-0800H/L	800mA	●	●		●	●				●	0.504	
61NM,62NM-010H/L	1A	●	●		●	●	●	●	●	●	0.968	
61NM,62NM-012H/L	1.2A	●	●		●	●	●	●	●	●	1.751	
61NM,62NM-013H/L	1.25A	●	●		●	●	●	●	●	●	1.788	
61NM,62NM-015H/L	1.5A	●	●		●	●	●	●	●	●	3.565	
61NM,62NM-016H/L	1.6A	●	●		●	●	●	●	●	●	4.026	
61NM,62NM-020H/L	2A	●	●		●	●	●	●	●	●	8.57	
61NM,62NM-025H/L	2.5A	●	●		●	●	●	●	●	●	14.21	
61NM,62NM-030H/L	3A	●	●		●	●	●	●	●	●	23.12	
61NM,62NM-032H/L	3.15A	●	●		●	●	●	●	●	●	25.70	
61NM,62NM-035H/L	3.5A	●	●		●	●	●	●	●	●	32.15	
61NM,62NM-040H/L	4A	●	●		●	●	●	●	●	●	43.65	
61NM,62NM-050H/L	5A	●	●		●	●	●	●	●	●	72.54	
61NM,62NM-060H/L	6A	●	●		●	●	●	●	●	●	120.2	
61NM,62NM-063H/L	6.3A	●	●		●	●	●	●	●	●	168.7	
61NM,62NM-070H/L	7A	●	●		●	●	●	●	●	●	195.3	
61NM,62NM-080H/L	8A	●	●		●	●	●	●	●	●	393.0	
61NM,62NM-090H/L	9A	●	●		●	●	●	●	●	●	476.5	
61NM,62NM-100H/L	10A	●	●		●	●	●	●	●	●	556.9	
61NM,62NM-120H/L/L1	12A			●				●	●		805.9	
61NM,62NM-150H/L/L1	15A			●				●	●		1868	
61NM,62NM-160H/L/L1	16A			●				●	●		2196	
61NM,62NM-200H/L/L1	20A			●				●	●		3212	
61NM,62NM-250H/L/L1	25A			●				●	●		5902	
61NM,62NM-300H/L/L1	30A			●				●	●		8494	

● DENOTES FOR APPROVED      ● 表示已取得安全认证  
 H DENOTES FOR 250V            H 表示 250V  
 L DENOTES FOR 125V            L 表示 125V  
 L<sub>1</sub> DENOTES FOR 32V            L<sub>1</sub> 表示 32V

**ELECTRICAL CHARACTERISTICS/ 电气特性 :**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间
100%	4 hours Min.      最快 4小时
135%	1 hour Max.        最慢 1小时
200%	5 seconds Max.    最慢 5秒

**Standards/ 标准: UL 248-1, UL 248-14**

**Operating Temperature/ 工作温度: -55°C ~125°C**

**Storing Temperature/ 储存温度: -55°C ~85°C**

**Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max.**

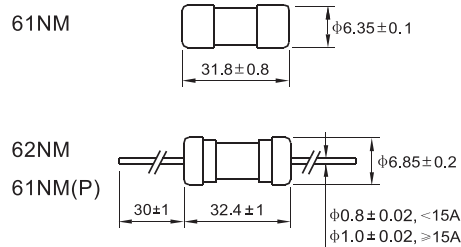
**Solderability/ 可焊性: 245°C ±5°C, 5s±0.5s**

**INTERRUPTING CAPACITY / 分断能力:**

- 10,000 amperes at 125V AC (32mA-10A)
- 35 amperes at 250V AC (32mA-1A)
- 100 amperes at 250V AC (1.2A-3.5A)
- 200 amperes at 250V AC (4A-10A)
- 100 amperes at 125V AC (1A-30A) PSE (61NM)
- 500 amperes at 125V AC (1A-15A) PSE (62NM)
- 100 amperes at 125V AC (16A-30A) PSE (62NM)
- 100 amperes at 250V AC (1A-30A) PSE (61NM/62NM)
- 100 amperes at 250V AC (100mA-10A) KC
- 300 amperes at 32V AC/DC (12A-30A) UR/cUR

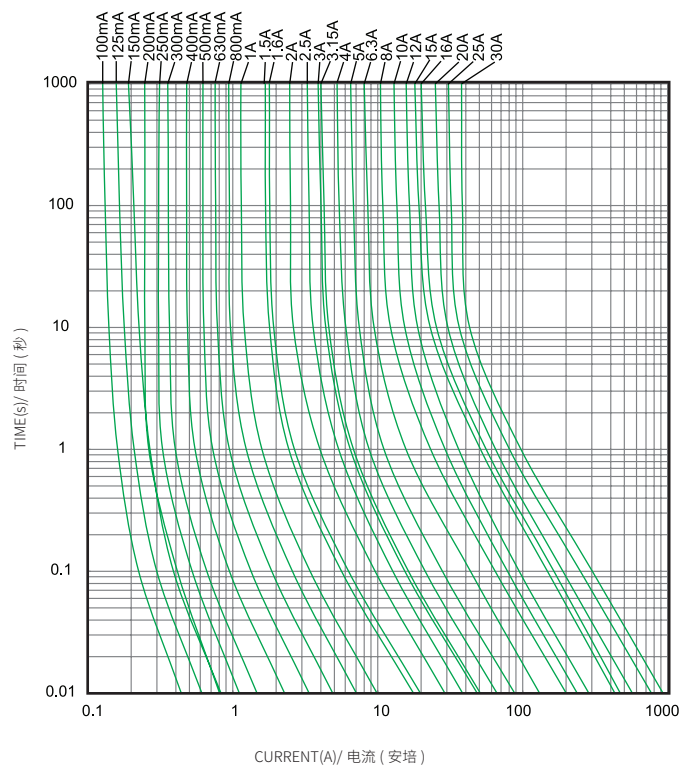
**Dimensions/ 尺寸 :**

Unit 单位: mm



**61NM/62NM AVERAGE I-T CHARACTERISTICS CURVE  
 (FOR REFERENCE ONLY)**

**61NM/62NM 平均 I-T 曲线图 (仅供参考)**





## 61S,62S Φ6.35x32mm, RoHS Compliant & Pb-Free GLASS TUBE FUSE (SLOW-BLOW) 玻璃保险丝管 (慢断型)

### INTERRUPTING CAPACITY / 分断能力:

- 10,000 amperes at 125V AC (32mA-5A)
- 35 amperes at 250V AC (32mA-1A)
- 100 amperes at 250V AC (1.2A-3.5A)
- 200 amperes at 250V AC (4A-5A)
- 100 amperes at 125V AC (1A-15A) PSE (61S)
- 500 amperes at 125V AC (1A-15A) PSE (62S)
- 100 amperes at 250V AC (1A-15A) PSE (61S/62S)
- 100 amperes at 250V AC (32mA-15A) KC
- 35 amperes or 10In 250V AC whichever is greater (TÜV)

### TECHNICAL PARAMETERS/ 技术参数:

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证									REFERENCE (A <sup>2</sup> ·Sec.) (RoHS) I <sup>2</sup> T 参考值
		UL(cUL)		CSA		PSE		TÜV		KC	
		H	L	H	L	H	L	H	L	H	
61S,62S-0200H/L	200mA	●	●	●	●			●	●	●	0.262
61S,62S-0250H/L	250mA	●	●	●	●			●	●	●	0.415
61S,62S-0300H/L	300mA	●	●	●	●			●	●	●	0.820
61S,62S-0315H/L	315mA	●	●	●	●			●	●	●	0.910
61S,62S-0350H/L	350mA	●	●	●	●			●	●	●	1.091
61S,62S-0400H/L	400mA	●	●	●	●			●	●	●	1.550
61S,62S-0500H/L	500mA	●	●	●	●			●	●	●	2.512
61S,62S-0600H/L	600mA	●	●	●	●			●	●	●	3.803
61S,62S-0630H/L	630mA	●	●	●	●			●	●	●	4.285
61S,62S-0750H/L	750mA	●	●	●	●			●	●	●	7.705
61S,62S-0800H/L	800mA	●	●	●	●			●	●	●	1.542
61S,62S-010H/L	1A	●	●	●	●	●	●	●	●	●	3.373
61S,62S-012H/L	1.2A	●	●	●	●	●	●	●	●	●	5.115
61S,62S-013H/L	1.25A	●	●	●	●	●	●	●	●	●	5.789
61S,62S-015H/L	1.5A	●	●	●	●	●	●	●	●	●	10.02
61S,62S-016H/L	1.6A	●	●	●	●	●	●	●	●	●	11.52
61S,62S-020H/L	2A	●	●	●	●	●	●	●	●	●	7.48
61S,62S-025H/L	2.5A	●	●	●	●	●	●	●	●	●	11.43
61S,62S-030H/L	3A	●	●	●	●	●	●	●	●	●	18.71
61S,62S-032H/L	3.15A	●	●	●	●	●	●	●	●	●	20.45
61S,62S-035H/L	3.5A	●	●	●	●	●	●	●	●	●	25.55
61S,62S-040H/L	4A	●	●	●	●	●	●	●	●	●	32.96
61S,62S-050H/L	5A	●	●	●	●	●	●	●	●	●	57.80
61S,62S-060H/L	6A					●	●	●	●	●	95.06
61S,62S-063H/L	6.3A					●	●	●	●	●	105.2
61S,62S-070H/L	7A					●	●	●	●	●	150.5
61S,62S-080H/L	8A					●	●	●	●	●	213.8
61S,62S-090H/L	9A					●	●	●	●	●	284.0
61S,62S-100H/L	10A					●	●	●	●	●	363.1
61S,62S-120H/L	12A					●	●	●	●	●	616.6
61S,62S-150H/L	15A					●	●	●	●	●	1009

● DENOTES FOR APPROVED      ● 表示已取得安全认证  
H DENOTES FOR 250V              H 表示 250V  
L DENOTES FOR 125V              L 表示 125V

### ELECTRICAL CHARACTERISTICS/ 电气特性:

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间
100%	4 hours Min.      最快 4小时
135%	1 hour Max.        最慢 1小时
200%	120 seconds Max.      最慢 120秒

Standards/ 标准: UL 248-1, UL 248-14

Operating Temperature/ 工作温度: -55°C ~125°C

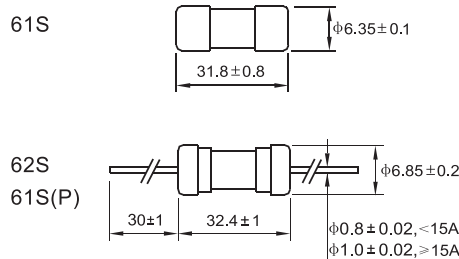
Storing Temperature/ 储存温度: -55°C ~85°C

Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max.

Solderability/ 可焊性: 245°C ±5°C, 5s±0.5s

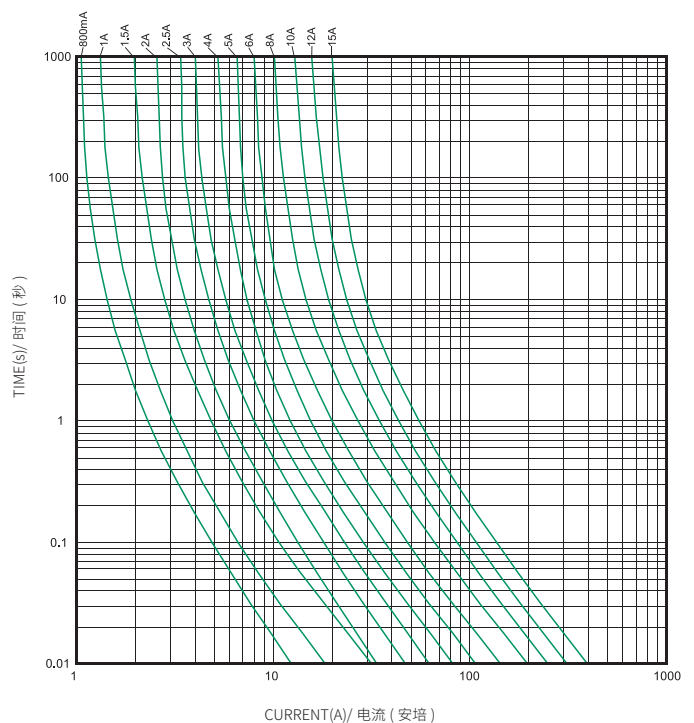
### Dimensions/ 尺寸:

Unit 单位: mm



### 61S/62S AVERAGE I-T CHARACTERISTICS CURVE (FOR REFERENCE ONLY)

### 61S/62S 平均 I-T 曲线图 (仅供参考)







**65NM**  
 Φ6.35x32mm, RoHS Compliant & Pb-Free  
**CERAMIC TUBE FUSE (FAST-BLOW)**  
 瓷保险丝管 (速断型)

**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证												REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值		
		UL(cUL)				UR(cUR)				PSE		KC				
		H1	H	L	L1	H1	H	L	L1	H	L	H	L			
65NM-0300H/L	300mA															0.0149
65NM-0315H/L	315mA															0.0169
65NM-0350H/L	350mA															0.0227
65NM-0375H/L	375mA															0.0272
65NM-0400H/L	400mA															0.0339
65NM-0500H/L	500mA	●	●	●												0.0716
65NM-0600H/L	600mA	●	●	●												0.1068
65NM-0630H/L	630mA	●	●	●												0.1162
65NM-0750H/L	750mA	●	●	●												0.2233
65NM-0800H/L	800mA	●	●	●												0.2871
65NM-010H/L	1A	●	●	●						●	●	●				0.5843
65NM-012H/L	1.2A	●	●	●						●	●	●				0.6298
65NM-013H/L	1.25A	●	●	●						●	●	●				0.7173
65NM-015H/L	1.5A	●	●	●						●	●	●				1.7168
65NM-016H/L	1.6A	●	●	●						●	●	●				2.011
65NM-020H/L	2A	●	●	●						●	●	●				1.712
65NM-025H/L/L1	2.5A	●	●	●	●					●	●	●				3.232
65NM-030H/L/L1	3A	●	●	●	●					●	●	●				5.032
65NM-032H/L/L1	3.15A	●	●	●	●					●	●	●				5.573
65NM-035H/L/L1	3.5A	●	●	●	●					●	●	●				8.111
65NM-040H/L/L1	4A	●	●	●	●					●	●	●				12.78
65NM-050H/L/L1	5A	●	●	●	●					●	●	●				25.64
65NM-060H/L/L1	6A	●	●	●	●					●	●	●				50.61
65NM-070H/L/L1	7A	●	●	●	●					●	●	●				84.09
65NM-080H/L/L1	8A	●	●	●	●					●	●	●				120.4
65NM-090H/L/L1	9A	●	●	●	●					●	●	●				167.1
65NM-100H/L/L1	10A	●	●	●	●					●	●	●				234.1
65NM-120H/L/L1	12A	●	●	●	●					●	●	●				467.2
65NM-150H/L/L1	15A	●	●	●	●					●	●	●				720.1
65NM-200H/L/L1	20A					●	●	●	●	●	●	●				2008
65NM-250H/L/L1	25A					●	●	●	●	●	●	●				3061
65NM-300H/L/L1	30A					●	●	●	●	●	●	●				6205

● DENOTES FOR APPROVED      ● 表示已取得安全认证  
 H<sub>1</sub> DENOTES FOR 300V AC      H<sub>1</sub> 表示 300V AC  
 H DENOTES FOR 250V              H 表示 250V  
 L DENOTES FOR 125V AC        L 表示 125V AC  
 L<sub>1</sub> DENOTES FOR 125V DC      L<sub>1</sub> 表示 125V DC

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
135%	1 hour Max.	最慢 1 小时
200%	120 seconds Max.	最慢 120 秒

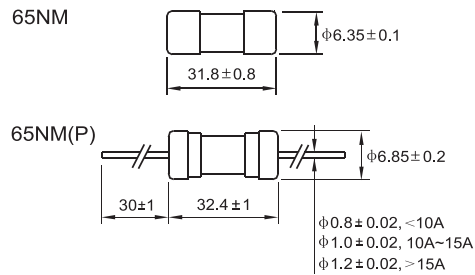
**Standards/ 标准:** UL 248-1, UL 248-14  
**Operating Temperature/ 工作温度:** -55°C ~125°C  
**Storing Temperature/ 储存温度:** -55°C ~85°C  
**Resistance to soldering heat/ 耐焊接热性:** 260°C, 10s Max.  
**Solderability/ 可焊性:** 245°C ±5°C, 5s ±0.5s

**INTERRUPTING CAPACITY / 分断能力:**

10,000 amperes at 125V AC (500mA-15A)  
 35 amperes at 250V AC (500mA-1A)  
 100 amperes at 250V AC (1.2A-3.5A)  
 200 amperes at 250V AC (4A-10A)  
 750 amperes at 250V AC (12A-15A)  
 100 amperes at 125V AC (20A-30A)  
 100 amperes at 250V AC (20A-30A)  
 1000 amperes at 300V AC (20A-30A) UR/cUR  
 1000 amperes at 300V AC (0.5A-15A) UL/cUL  
 500 amperes at 125V AC (1A-15A) PSE  
 100 amperes at 250V AC (1A-30A) PSE  
 100 amperes at 250V AC (300mA-3A) KC  
 100 amperes at 250V AC (4A-10A) KC  
 10,000 amperes at 125V DC (2.5A-15A) UL/cUL  
 400 amperes at 125V DC (20A-30A) UR/cUR

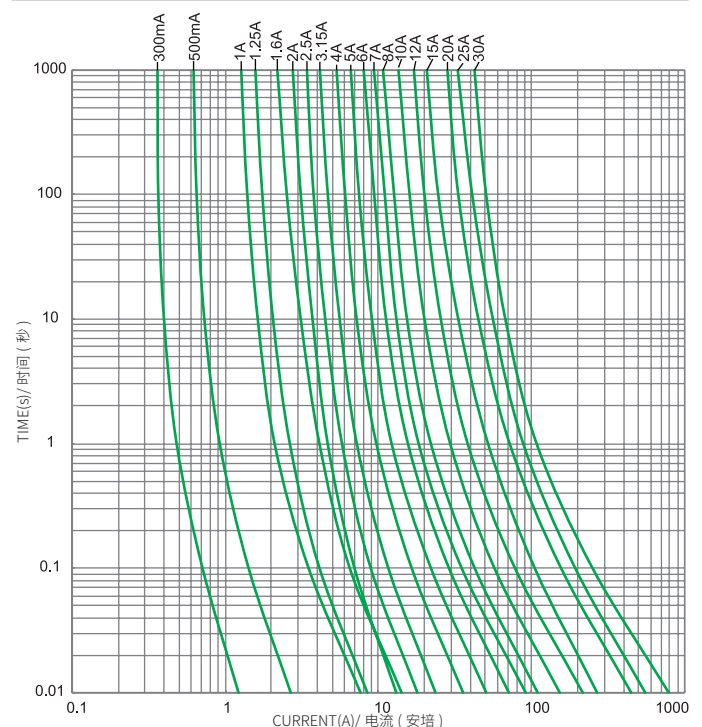
**Dimensions/ 尺寸:**

Unit 单位: mm



**65NM AVERAGE I-T CHARACTERISTICS CURVE (FOR REFERENCE ONLY)**

**65NM 平均 I-T 曲线图 (仅供参考)**





## Φ6.35x32mm, RoHS Compliant & Pb-Free CERAMIC TUBE FUSE (SLOW-BLOW) 瓷保险丝管 (慢断型)

### TECHNICAL PARAMETERS/ 技术参数:

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证												REFERENCE (A <sup>2</sup> ·Sec) (RoHS) I <sup>2</sup> T 参考值	
		UL(cUL)		UR(cUR)		PSE		KC		TÜV		CQC			
		H	L	H	L	H	L	H	H	L	H	L			
65TS-0500H/L	500mA	●	●					●							
65TS-0600H/L	600mA	●	●					●							
65TS-0630H/L	630mA	●	●					●							
65TS-0750H/L	750mA	●	●					●							
65TS-0800H/L	800mA	●	●					●							
65TS-010H/L	1A	●	●			●	●	●							0.5117
65TS-012H/L	1.2A	●	●			●	●	●							0.4802
65TS-013H/L	1.25A	●	●			●	●	●							0.5002
65TS-015H/L	1.5A	●	●			●	●	●							0.7983
65TS-016H/L	1.6A	●	●			●	●	●							1.521
65TS-020H/L	2A	●	●			●	●	●							2.342
65TS-025H/L	2.5A	●	●			●	●	●							4.545
65TS-030H/L	3A	●	●			●	●	●	●	●	●				4.987
65TS-032H/L	3.15A	●	●			●	●	●	●	●	●				5.246
65TS-035H/L	3.5A	●	●			●	●	●	●	●	●				8.456
65TS-040H/L	4A	●	●			●	●	●	●	●	●				12.47
65TS-050H/L	5A	●	●			●	●	●	●	●	●				26.52
65TS-060H/L	6A	●	●			●	●	●	●	●	●				49.68
65TS-070H/L	7A	●	●			●	●	●	●	●	●				70.47
65TS-080H/L	8A	●	●			●	●	●	●	●	●				108.5
65TS-100H/L	10A	●	●			●	●	●	●	●	●	●			238.8
65TS-120H/L	12A	●	●			●	●	●	●	●	●	●			434.6
65TS-130H/L	12.5A	●	●			●	●	●	●	●	●	●			531.2
65TS-150H/L	15A	●	●			●	●	●	●	●	●	●			720.1
65TS-160H/L	16A					●						●			950
65TS-200H/L	20A		●	●	●			●	●	●	●	●			2008
65TS-250H/L	25A		●	●	●			●	●	●	●	●			3511
65TS-300H/L	30A		●	●	●			●	●	●	●	●			6658

● DENOTES FOR APPROVED

H DENOTES FOR 250V

L DENOTES FOR 125V

● 表示已取得安全认证

H 代表 250V

L 代表 125V

### ELECTRICAL CHARACTERISTICS/ 电气特性:

% of CURRENT RATING 额定电流的 %	BLOWING TIME 熔断时间	
100%	4 hours Min.	最快 4 小时
135%	1 hour Max.	最慢 1 小时
200%	120 seconds Max.	最慢 120 秒
1000%	300 ms Max.	最慢 300 ms(10A, 12.5A, 16A, 20A)

Standards/ 标准: UL 248-1, UL 248-14

Operating Temperature/ 工作温度: -55°C ~125°C

Storing Temperature/ 储存温度: -55°C ~85°C

Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max.

Solderability/ 可焊性: 245°C ±5°C, 5s±0.5s

### BREAKING CAPACITY / 分断能力:

10,000 amperes at 125V AC (500mA-15A)

35 amperes at 250V AC (500mA-1A)

100 amperes at 250V AC (1.2A-3.5A)

200 amperes at 250V AC (4A-10A)

750 amperes at 250V AC (12A-15A)

400 amperes at 125V AC (20A-30A)

100 amperes at 250V AC (20A-30A)

500 amperes at 125V AC (1A-15A) PSE

100 amperes at 250V AC (1A-30A) PSE

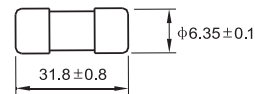
100 amperes at 250V AC (500mA-10A) KC

1500 amperes at 250V AC (10A, 12.5A, 16A, 20A) CQC

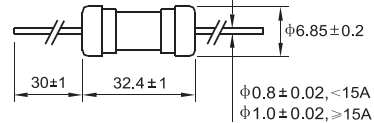
### Dimensions/ 尺寸:

Unit 单位: mm

65TS

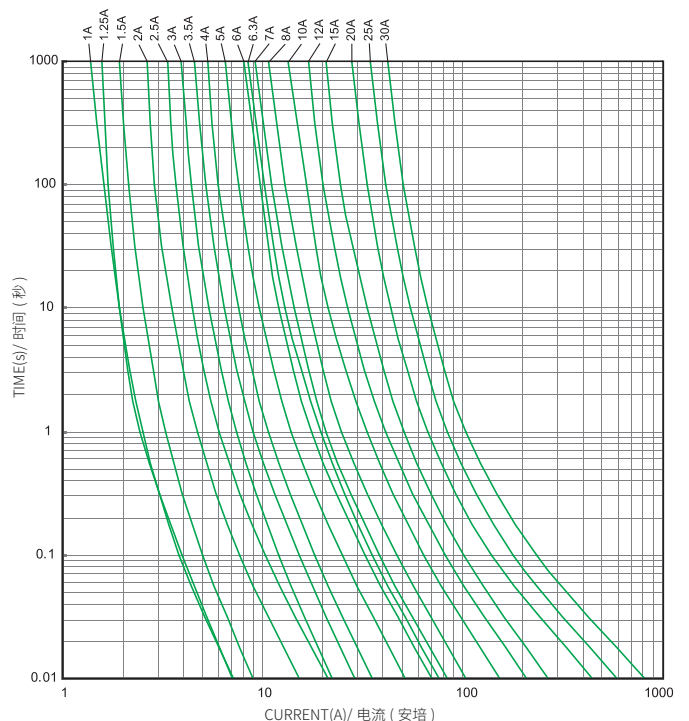


65TS(P)



### 65TS AVERAGE I-T CHARACTERISTICS CURVE (FOR REFERENCE ONLY)

### 65TS 平均 I-T 曲线图 (仅供参考)





**61CT**

Φ6.35x32mm, RoHS Compliant & Pb-Free  
**CERAMIC TUBE FUSE TIME-LAG FUSE**  
 瓷保险丝管 (慢断型)

**BREAKING CAPACITY / 分断能力:**  
 500 amperes at 500V AC (2A-30A)

**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证	REFERENCE (A <sup>2</sup> .Sec.) (RoHS) I <sup>2</sup> T 参考值
		UR(cUR) H	
61CT-020H	2A	●	4.545
61CT-025H	2.5A	●	6.682
61CT-030H	3A	●	11.44
61CT-035H	3.5A	●	21.19
61CT-040H	4A	●	27.39
61CT-050H	5A	●	74.63
61CT-060H	6A	●	105.3
61CT-063H	6.3A	●	121.6
61CT-070H	7A	●	147.3
61CT-080H	8A	●	206.2
61CT-090H	9A	●	248.6
61CT-100H	10A	●	435.0
61CT-120H	12A	●	722.9
61CT-125H	12.5A	●	759.0
61CT-150H	15A	●	879.1
61CT-160H	16A	●	1112
61CT-200H	20A	●	2281
61CT-250H	25A	●	3251
61CT-300H	30A	●	6651

● DENOTES FOR APPROVED  
 H DENOTES FOR 500V

● 表示已取得安全认证  
 H 代表 500V

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

RATING 额定		BLOWING TIME 熔断时间	
		≤ 10A	>10A
2.1In	Max. 最慢	30 minutes	30 minutes
	Min. 最快	1s	1s
2.75In	Max. 最慢	80 seconds	80 seconds
	Min. 最快	150 ms	150 ms
4In	Max. 最慢	5seconds	5 seconds
	Min. 最快	10 ms	20 ms
10In	Max. 最慢	150 ms	150 ms

**Standards/ 标准:** GB 9364, IEC 60127

**Operating Temperature/ 工作温度:** -55°C ~125°C

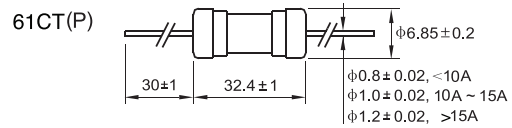
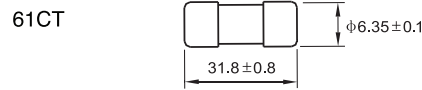
**Storing Temperature/ 储存温度:** -55°C ~85°C

**Resistance to soldering heat/ 耐焊接热性:** 260°C, 10s Max.

**Solderability/ 可焊性:** 245°C ±5°C, 5s±0.5s

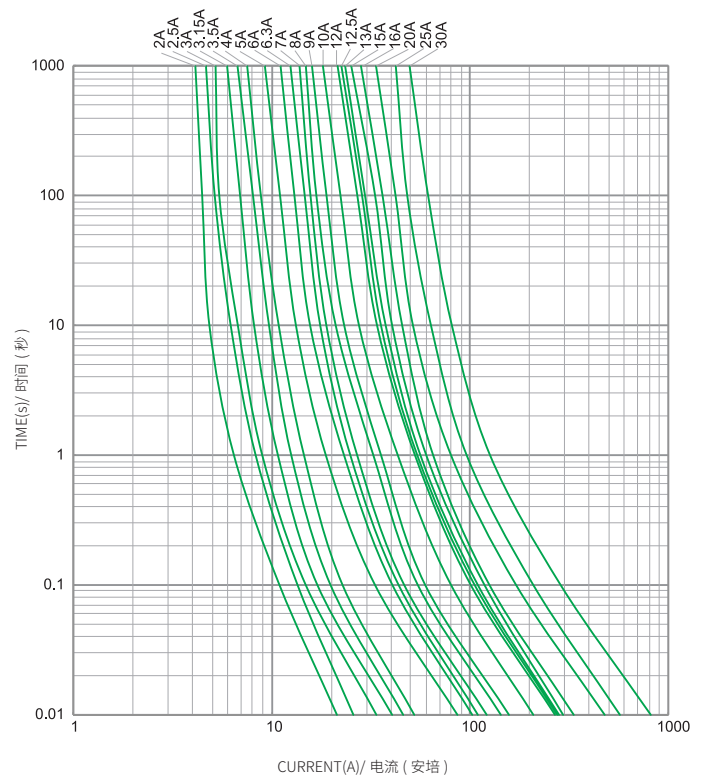
**Dimensions/ 尺寸:**

Unit 单位: mm



**61CT AVERAGE I-T CHARACTERISTICS CURVE**  
 (FOR REFERENCE ONLY)

**61CT 平均 I-T 曲线图 (仅供参考)**





Ⓜ 61T ⓄCQC

Φ6.35x32mm IEC STANDARD FUSE  
RoHS Compliant & Pb-Free  
TIME-LAG FUSE  
慢断型保险管

**INTERRUPTING CAPACITY / 分断能力:**  
10 In at 250V AC (8A-16A)  
100 amperes at 250V AC (20A-30A)

**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	MAX. VOLTAGE DROP(mv) 最大电压	SAFETY APPROVALS 安全认证 CQC	REFERENCE (A°.Sec.) (RoHS) I <sup>2</sup> T 参考值
61T-080H	8A	100	●	570.4
61T-100H	10A	100	●	874.6
61T-120H	12A	80		1369
61T-125H	12.5A	80	●	1428
61T-130H	13A	80		1484
61T-150H	15A	80		2205
61T-160H	16A	80	●	2830
61T-200H	20A	80		4168
61T-250H	25A	80		2645
61T-300H	30A	80		4285

● DENOTES FOR APPROVED      ● 表示已取得安全认证  
H DENOTES FOR 250V            H 代表 250V

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

RATING 额定	BLOWING TIME 熔断时间	BLOWING TIME 熔断时间		
		≤ 10A	>10A-16A	>16A
2.1In	Max. 最慢	2 minutes	5 minutes	30 minutes
	Min. 最快	600 ms	600 ms	600 ms
2.75In	Max. 最慢	10 seconds	15 seconds	30 seconds
	Min. 最快	150 ms	150 ms	150 ms
4In	Max. 最慢	3 seconds	5 seconds	5 seconds
	Min. 最快	20 ms	20 ms	20 ms
10In	Max. 最慢	300 ms	400 ms	400 ms

Standards/ 标准: GB 9364, IEC 60127

Operating Temperature/ 工作温度: -55°C ~125°C

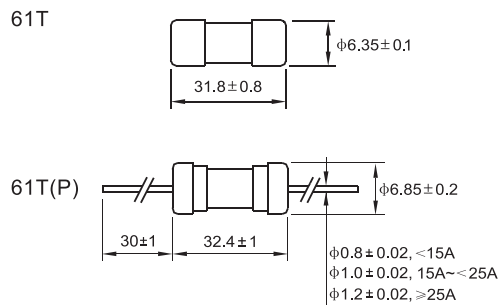
Storing Temperature/ 储存温度: -55°C ~85°C

Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max.

Solderability/ 可焊性: 245°C ±5°C, 5s±0.5s

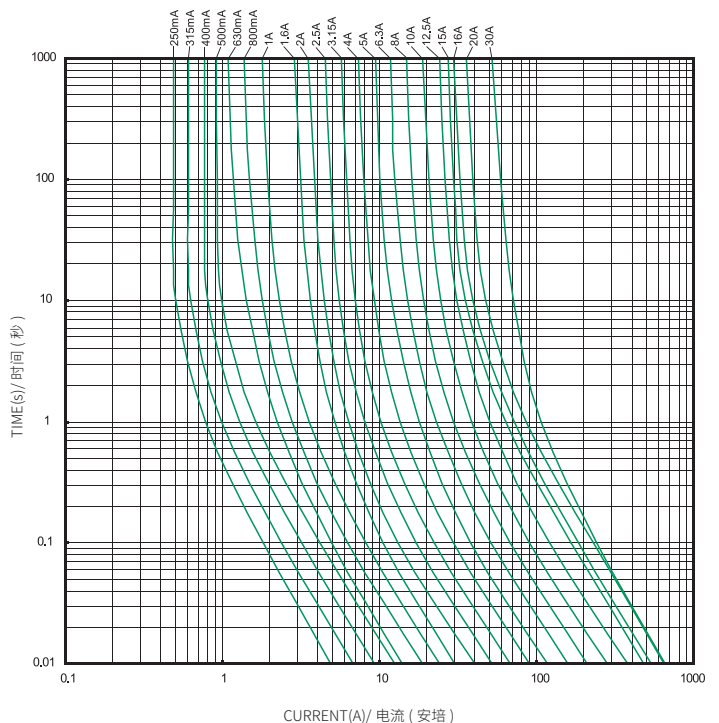
**Dimensions/ 尺寸:**

Unit 单位: mm



**61T AVERAGE I-T CHARACTERISTICS CURVE (FOR REFERENCE ONLY)**

**61T 平均 I-T 曲线图 (仅供参考)**





Φ6.35x32mm, RoHS Compliant & Pb-Free  
CERAMIC TUBE FUSE (VERY FAST-ACTING)  
瓷保险丝管 (特快熔断型)



**BREAKING CAPACITY/ 分断能力:**

50,000 amperes at 1000V AC/DC (200mA-2A) (In practice)  
Time constant ≤ 1ms(1000V DC)

10,000 amperes at 1000V AC (200mA-2A)

10,000 amperes at 500V AC / 600V AC (200mA-10A)

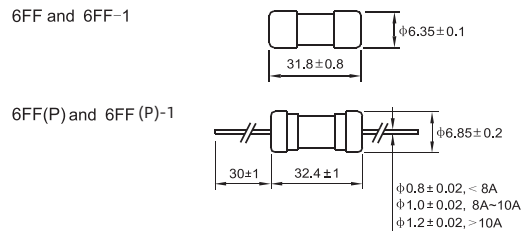
10,000 amperes at 500V DC / 1000V DC (200mA-2A) UR/cUR  
Time constant ≤ 1ms

10,000 amperes at 500V AC/DC (2.5A-30A)

400 amperes at 650V DC / 800V DC (2.5A-10A)

**Dimensions/ 尺寸:**

Unit unit: mm



**Standards/ 标准: IEC 60127**

**Operating Temperature/ 工作温度: -55°C ~125°C**

**Storing Temperature/ 储存温度: -55°C ~85°C**

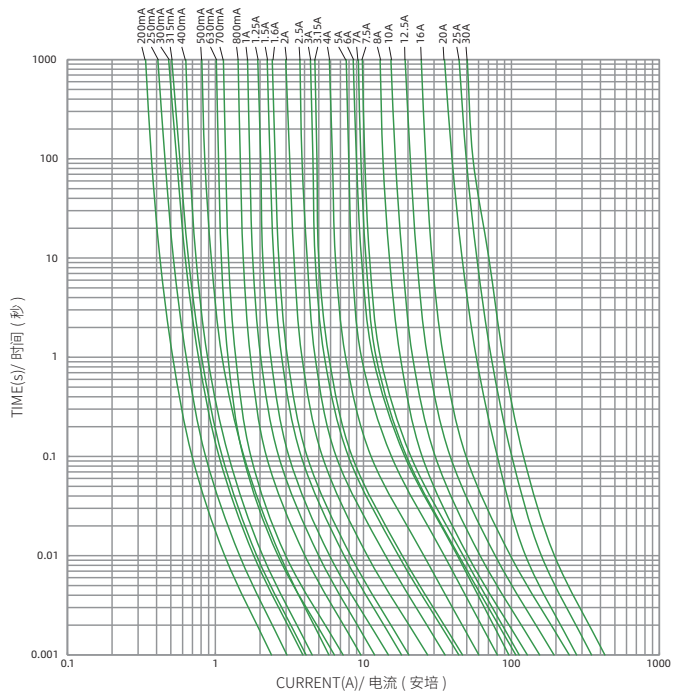
**Resistance to soldering heat/ 耐焊接热性: 260°C, 10s Max**

**Solderability/ 可焊性: 245°C ±5°C, 5s±0.5s**

**6FF AND 6FF-1 AVERAGE I-T CHARACTERISTICS CURVE**

(FOR REFERENCE ONLY)

**6FF 和 6FF-1 平均 I-T 曲线图 (仅供参考)**



**TECHNICAL PARAMETERS/ 技术参数:**

PART NO. 目录编号	CURRENT RATING 额定电流	SAFETY APPROVALS 安全认证										I <sup>2</sup> T 参考值 REFERENCE (A <sup>2</sup> .Sec.) (RoHS)
		UR/cUR					TÜV					
		H6	H7	H1	H2	H4	H5	H1	H2	H3		
6FF/6FF-1-0200H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	200mA			●	●	●	●	●	●	●	●	0.00573
6FF/6FF-1-0250H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	250mA			●	●	●	●	●	●	●	●	0.00926
6FF/6FF-1-0300H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	300mA			●	●	●	●	●	●	●	●	0.0152
6FF/6FF-1-0315H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	315mA			●	●	●	●	●	●	●	●	0.0168
6FF/6FF-1-0350H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	350mA			●	●	●	●	●	●	●	●	0.0208
6FF/6FF-1-0375H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	375mA			●	●	●	●	●	●	●	●	0.0241
6FF/6FF-1-0400H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	400mA			●	●	●	●	●	●	●	●	0.0203
6FF/6FF-1-0500H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	500mA			●	●	●	●	●	●	●	●	0.0342
6FF/6FF-1-0600H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	600mA			●	●	●	●	●	●	●	●	0.0386
6FF/6FF-1-0630H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	630mA			●	●	●	●	●	●	●	●	0.0406
6FF/6FF-1-0700H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	700mA			●	●	●	●	●	●	●	●	0.0532
6FF/6FF-1-0750H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	750mA			●	●	●	●	●	●	●	●	0.0763
6FF/6FF-1-0800H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	800mA			●	●	●	●	●	●	●	●	0.0925
6FF/6FF-1-010H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	1A			●	●	●	●	●	●	●	●	0.142
6FF/6FF-1-013H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	1.25A			●	●	●	●	●	●	●	●	0.218
6FF/6FF-1-015H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	1.5A			●	●	●	●	●	●	●	●	0.328
6FF/6FF-1-016H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	1.6A			●	●	●	●	●	●	●	●	0.411
6FF/6FF-1-020H <sub>1</sub> /H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>5</sub>	2A			●	●	●	●	●	●	●	●	0.738
6FF-025H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>7</sub>	2.5A	●	●	●	●	●	●	●	●	●	●	1.271
6FF-030H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>7</sub>	3A	●	●	●	●	●	●	●	●	●	●	1.950
6FF-032H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>7</sub>	3.15A	●	●	●	●	●	●	●	●	●	●	2.188
6FF-035H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>7</sub>	3.5A	●	●	●	●	●	●	●	●	●	●	2.728
6FF-040H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>7</sub>	4A	●	●	●	●	●	●	●	●	●	●	3.631
6FF-050H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>7</sub>	5A	●	●	●	●	●	●	●	●	●	●	6.457
6FF-060H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>7</sub>	6A	●	●	●	●	●	●	●	●	●	●	9.247
6FF-063H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>7</sub>	6.3A	●	●	●	●	●	●	●	●	●	●	10.24
6FF-070H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>7</sub>	7A	●	●	●	●	●	●	●	●	●	●	11.48
6FF-080H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>7</sub>	8A	●	●	●	●	●	●	●	●	●	●	16.44
6FF-100H <sub>2</sub> /H <sub>3</sub> /H <sub>4</sub> /H <sub>7</sub>	10A	●	●	●	●	●	●	●	●	●	●	24.10
6FF-120H <sub>2</sub>	12A			●	●	●	●	●	●	●	●	33.85
6FF-125H <sub>2</sub>	12.5A			●	●	●	●	●	●	●	●	38.63
6FF-150H <sub>2</sub>	15A			●	●	●	●	●	●	●	●	55.28
6FF-160H <sub>2</sub>	16A			●	●	●	●	●	●	●	●	63.53
6FF-200H <sub>2</sub>	20A			●	●	●	●	●	●	●	●	76.21
6FF-250H <sub>2</sub>	25A			●	●	●	●	●	●	●	●	121.3
6FF-300H <sub>2</sub>	30A			●	●	●	●	●	●	●	●	382

- DENOTES FOR APPROVED
- H<sub>1</sub> DENOTES FOR 1000V<sub>ac</sub>
- H<sub>2</sub> DENOTES FOR 500V<sub>ac</sub>
- H<sub>3</sub> DENOTES FOR 600V<sub>ac</sub>
- H<sub>4</sub> DENOTES FOR 1000V<sub>dc</sub>
- H<sub>5</sub> DENOTES FOR 500V<sub>dc</sub>
- H<sub>6</sub> DENOTES FOR 150V<sub>dc</sub>
- H<sub>7</sub> DENOTES FOR 800V<sub>dc</sub>
- 表示已取得安全认证
- H<sub>1</sub> 表示 1000V<sub>ac</sub>
- H<sub>2</sub> 表示 500V<sub>ac</sub>
- H<sub>3</sub> 表示 600V<sub>ac</sub>
- H<sub>4</sub> 表示 1000V<sub>dc</sub>
- H<sub>5</sub> 表示 500V<sub>dc</sub>
- H<sub>6</sub> 表示 650V<sub>dc</sub>
- H<sub>7</sub> 表示 800V<sub>dc</sub>

**ELECTRICAL CHARACTERISTICS/ 电气特性:**

RATING 额定		BLOWING TIME 熔断时间			
		< 1A	1A-10A	> 10A-16A	> 16A-25A
2.1In	Max. 最慢	—	30 minutes	30 minutes	30 minutes
	Min. 最快	—	5 ms	10 ms	10 ms
2.75In	Max. 最慢	—	1 sec.	2 sec.	5 sec.
	Min. 最快	60 ms	60 ms	100 ms	200 ms
10In	Max. 最慢	6 ms	6 ms	10 ms	10 ms





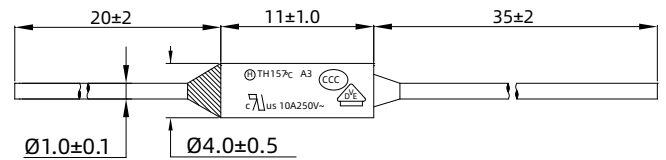
TH 系列 (TH SERIES)



THERMAL LINKS  
温度保险丝

Dimensions/ 尺寸 :

Unit 单位: mm



APPLICATION FOR:

Refrigerator; Air-conditioner; Washing machine; Cleaner; Electric tool; Hair drier; Iron; Mangle; Electric radiator; Electric rice cooker; Electric work; Electric fry pan; Induction cooker; Sandwich maker; Coffee maker; Electric kettle; Electric mug; Water heater; Cold & Hot water dispenser; TV set; Music center; Computer; Aviation instrument; Copier; Transformer; Capacitor; etc.

TECHNICAL PARAMETERS/ 技术参数 :

PART NO. 目录编号	额定动作温度		保持温度		极限温度		额定电流 Rated current (Ir)	额定电压 Rated voltage AC (Ur)	RoHS 符合 RoHS Compliance
	Rated functioning temp.(Tf)		Holding temp.(Th °C )		Maximum temp. limit(Tm °C )				
	规格值	实测值	规格值	实测值	规格值	实测值			
TH72	72°C	70+/-2°C	45	58	150	300	10A	250V	●
TH77	77°C	74+/-2°C	55	62	120	300	10A	250V	●
TH84	84°C	84+/-2°C	60	69	125	300	10A	250V	●
TH94	94°C	94+0/-5°C	66	79	150	300	10A	250V	●
TH99	99°C	99+0/-5°C	71	84	150	300	10A	250V	●
TH105	105°C	104+0/-5°C	80	90	150	300	10A	250V	●
TH110	110°C	110+0/-5°C	88	98	150	300	10A	250V	●
TH113	113°C	110+/-2°C	88	98	150	400	10A	250V	●
TH121	121°C	121+0/-5°C	94	106	150	400	10A	250V	●
TH128	128°C	128+0/-5°C	106	113	155	400	10A	250V	●
TH133	133°C	131+/-2°C	104	119	159	400	10A	250V	●
TH142	142°C	142+0/-5°C	114	127	159	400	10A	250V	●
TH152	152°C	152+0/-5°C	128	137	176	400	10A	250V	●
TH157	157°C	155+/-2°C	127	142	172	400	10A	250V	●
TH167	167°C	167+0/-5°C	146	152	190	400	10A	250V	●
TH172	172°C	170+/-2°C	144	157	189	400	10A	250V	●
TH184	184°C	182+/-2°C	160	169	214	400	10A	250V	●
TH192	192°C	189+/-2°C	164	177	300	400	10A	250V	●
TH216	216°C	216+0/-5°C	189	191	350	450	10A	250V	●
TH228	228°C	226+/-2°C	190	201	300	450	10A	250V	●
TH240	240°C	240+0/-5°C	190	201	350	450	10A	250V	●
TH257	257°C	257+0/-5°C	220	220	470	470	10A	250V	●

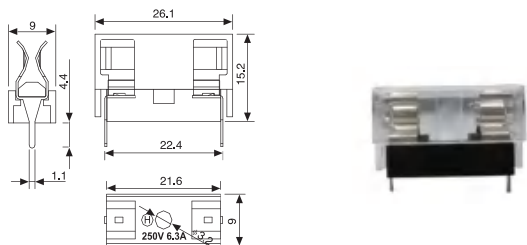
●YES 符合

## FUSE BLOCK & FUSE CLIP

### HF-003(RoHS)

FUSE BLOCK FOR 5x20MM FUSE WITH TRANSPARENT COVER

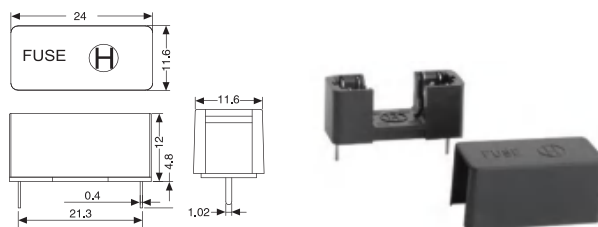
Unit 单位: mm



### HF-003/C (RoHS)

FUSE BLOCK FOR 5x20MM FUSE WITH COVER

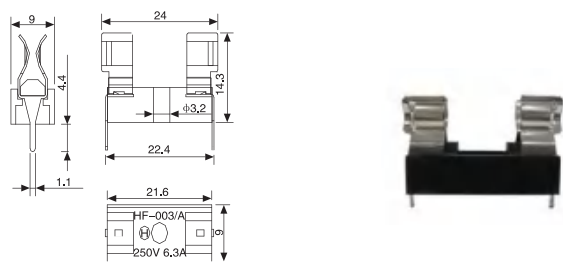
Unit 单位: mm



### HF-003/A (RoHS)

FUSE BLOCK FOR 5x20MM FUSE

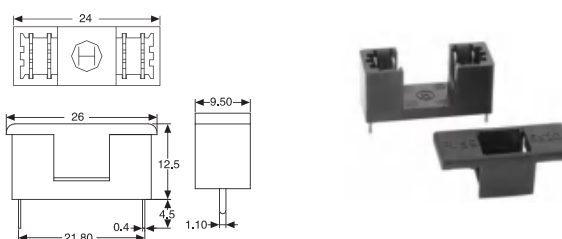
Unit 单位: mm



### HF-003/D (RoHS)

FUSE BLOCK FOR 5x20MM FUSE WITH COVER

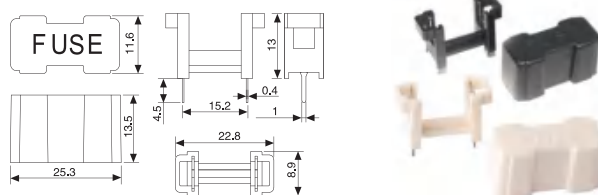
Unit 单位: mm



### HF-003/1 (RoHS)

FUSE BLOCK FOR 5x20MM FUSE WITH COVER

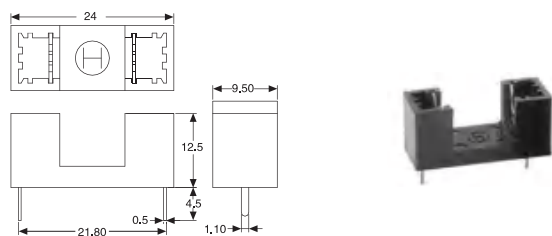
Unit 单位: mm



### HF-003/B (RoHS)

FUSE BLOCK FOR 5x20MM FUSE WITHOUT COVER

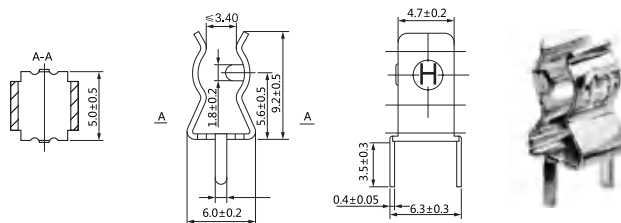
Unit 单位: mm



### HF-004 (RoHS)

(HF-004/N)  
FUSE CLIP FOR 5x20MM FUSE

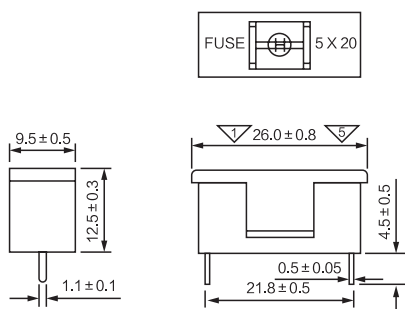
Unit 单位: mm



### HF-003B/C (RoHS)

FUSE BLOCK FOR 5x20MM FUSE WITH COVER

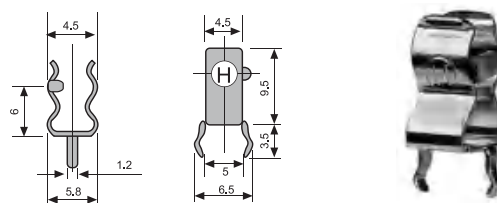
Unit 单位: mm



### HF-004/A (RoHS)

FUSE CLIP FOR 5x20MM FUSE  
PHOSPHOR BRONZE, NICKEL PLATED OR TIN PLATED

Unit 单位: mm



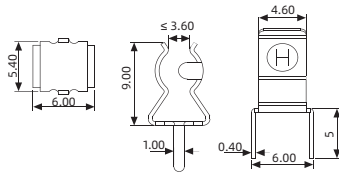


## FUSE BLOCK & FUSE CLIP

### HF-004/J (RoHS)

FUSE CLIP FOR 5X20MM FUSE  
NICKEL PLATED OR TIN PLATED

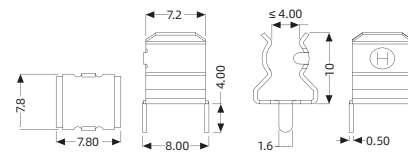
Unit 单位: mm



### HF-005/N (NICKEL PLATED) (RoHS)

HF-005/T (TIN PLATED) (RoHS)  
FUSE CLIP FOR 6X32MM FUSE

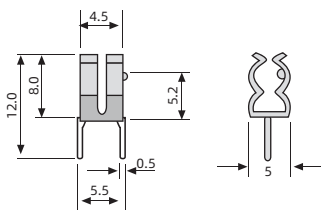
Unit 单位: mm



### HF-004/P (RoHS)

FUSE CLIP FOR 5x20MM FUSE  
PHOSPHOR BRONZE, TIN PLATED

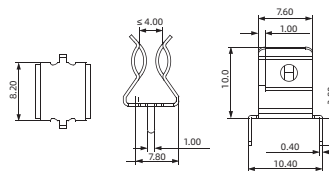
Unit 单位: mm



### HF-005/I (RoHS)

FUSE CLIP FOR 6x32MM FUSE  
NICKEL PLATED OR TIN PLATED

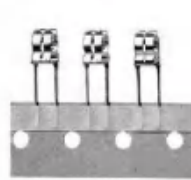
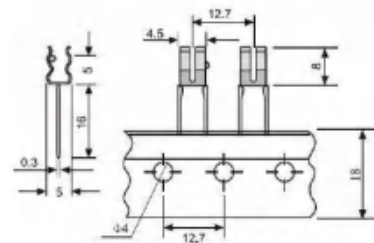
Unit 单位: mm



### HF-004/PT (RoHS)

FUSE CLIP FOR 5x20MM FUSE, TAPED TYPE  
PHOSPHOR BRONZE, TIN PLATED

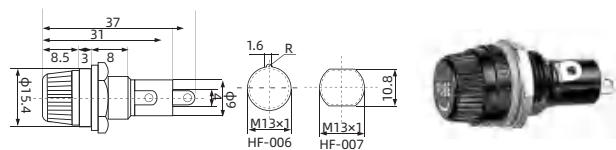
Unit 单位: mm



### HF-006 HF-007

PANEL MOUNT FUSE HOLDER FOR 5X20MM FUSE

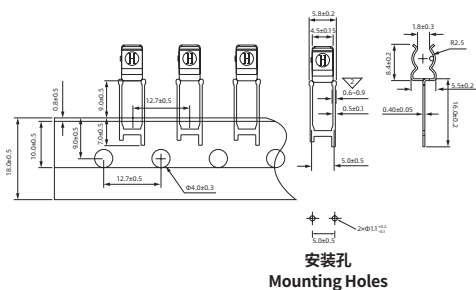
Unit 单位: mm



### HF-004/HT (RoHS)

FUSE CLIP FOR 5x20MM FUSE, TAPED TYPE  
PHOSPHOR BRONZE, TIN PLATED

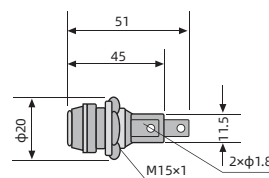
Unit 单位: mm



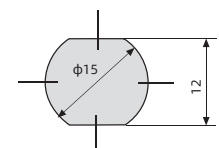
### HF-008 HF-009

PANEL MOUNT FUSE HOLDER FOR 6x32MM FUSE

Unit 单位: mm



HF-008



MOUNTING HOLE

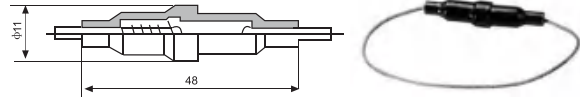
HF-009

**FUSE BLOCK**

**HF-011**

INLINE FUSE HOLDER FOR 5x20MM FUSE WITH 180MM WIRE

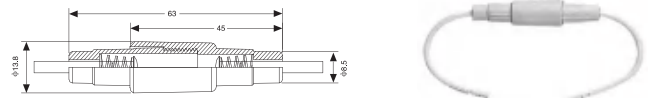
Unit 单位: mm



**HF-011/I**

INLINE FUSE HOLDER FOR 5x20MM & 6x32MM FUSE (UL APPROVED MATERIALS)

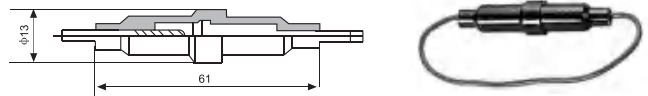
Unit 单位: mm



**HF-012**

INLINE FUSE HOLDER FOR 6x32MM FUSE WITH 180MM WIRE

Unit 单位: mm

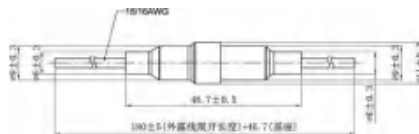


**FH1-208H**



INLINE FUSE HOLDER FOR 5x20MM FUSE WITH 180MM LEAD WIRE

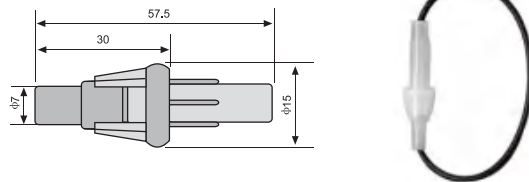
Unit 单位: mm



**HF-014**

INLINE FUSE HOLDER FOR 6x32MM FUSE WITH 180MM LEAD WIRE

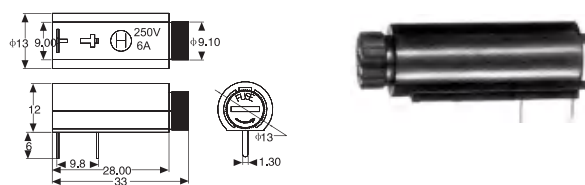
Unit 单位: mm



**HF-102 (RoHS)**

FUSE HOLDER FOR 5x20MM FUSE

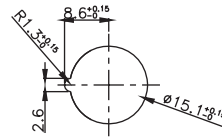
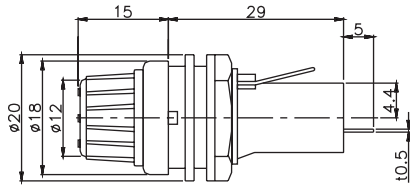
Unit 单位: mm



FH SERIES

Unit 单位: mm

FH-001AFH

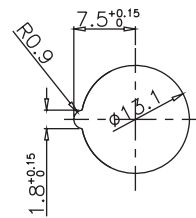
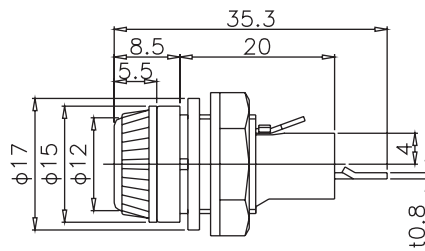


Size of mounting hole  
安装孔, 以供参考

Rating: 15A

Matching Fuse:  $\Phi 6.35 \times 31.8$   
 $\Phi 6.4 \times 32$

FH-043A

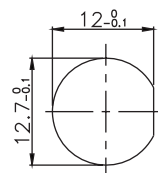
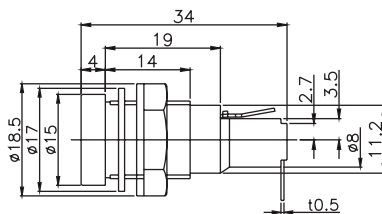


Size of mounting hole  
安装孔, 以供参考

Rating: 10A

Matching Fuse:  $\Phi 5.0 \times 20$

FH-B02 (ROHS)



Size of mounting hole  
安装孔, 以供参考

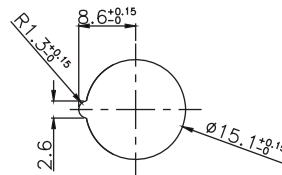
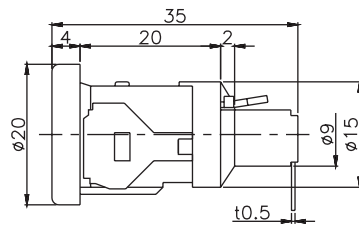
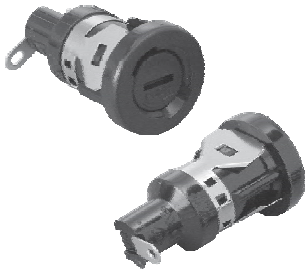
Rating: 10A(UL\CSA\VDE\KC)  
6.3A-semko

Matching Fuse:  $\Phi 5.2 \times 20$

## FUSE BLOCK

Unit 单位: mm

FH-B12



Size of mounting hole  
安装孔, 以供参考

Rating: 10A (UL\CSA\VDE)  
6.3A-semko

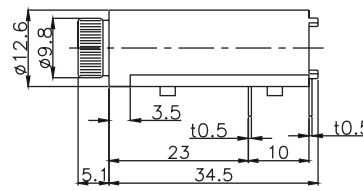
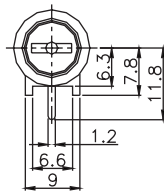
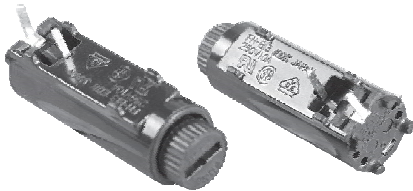
Matching Fuse:  $\Phi 5.2 \times 20$

Thickness of mounting board: 0.8/1.0/1.2  
1.6/2.0

UR/SEMKO/CSA/VDE Approval

SNAP-IN MOUNTING TYPE

FH-B13HA

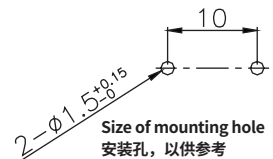


Rating: 10A

Matching Fuse:  $\Phi 5.2 \times 20$

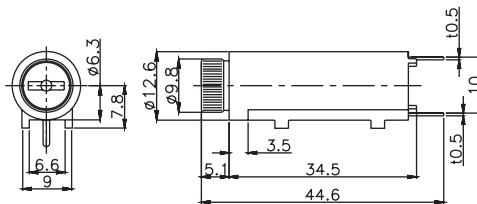
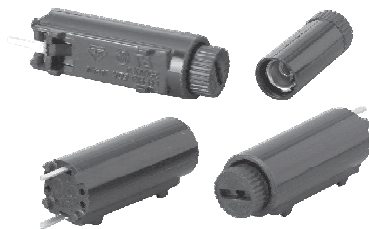
UR/CSA/VDE Approval

\* Vertical type available



Size of mounting hole  
安装孔, 以供参考

FH-B13VA

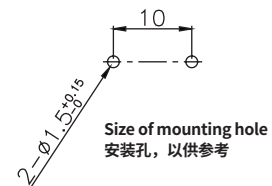


Rating: 10A

Matching Fuse:  $\Phi 5.2 \times 20$

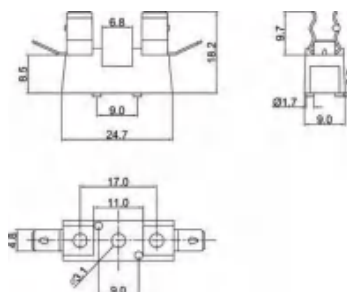
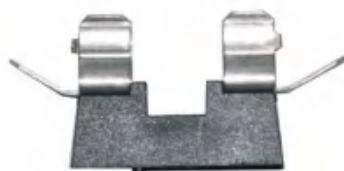
UR/CSA/VDE Approval

\* Vertical type available



Size of mounting hole  
安装孔, 以供参考

FH-201H



Rating: 15A 250V AC (UL, cUL)

Fuse:  $\Phi 5.0 \times 20 \text{mm}$



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