

1. 适用范围 / Scope of Application

本产品适用于各类电子设备电路的过流保护作用，广泛应用于照明设备、电源设备以及适配器等领域。

This product is suitable for various kinds of electronic devices' circuit over current protection. Widely used in industrial of Lighting, Power supply and Adapter applications, etc.

2. 安规认证标准及编号 / Standards and Agency Approvals

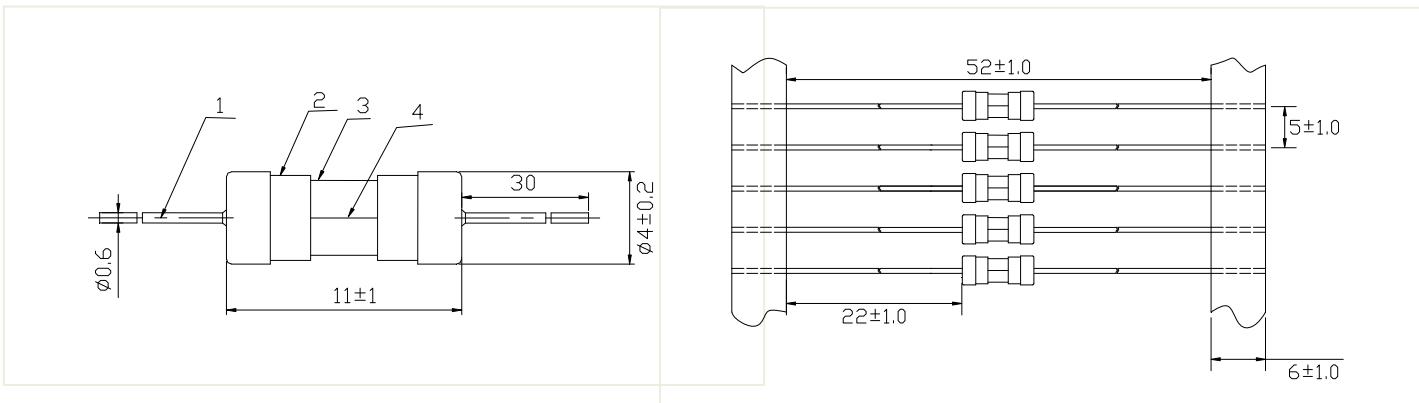
2.1 执行标准：遵循 UL248-1/14。Standards: In accordance with UL248-1/14。

2.2 认证范围 Certification:

额定电压 Rated Voltage	安规标准 Agency	认证电流 Ampere Range	证书编号 Agency File Number
125V/250V	UR	250mA ~ 10A	E358589
	C-UR	250mA ~ 10A	E358589

3. 结构及尺寸 / Dimensions and Structure

单位：毫米 / Unit: mm



4. 材料明细 / Material Details

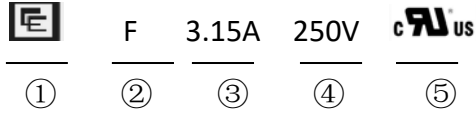
编号 NO.	零件名称 Part Name	材质 Material
①	引线帽/Lead cap	黄铜镀锡/Sn Plated Brass
②	铜帽/Cap	黄铜镀镍/Nickel Plated Brass
③	管体/Body	玻璃管/Glass Tube
④	熔丝/Fuse element	合金/Alloy

5. 产品标示 / Product Marking

保险丝两端铜帽上需有下列标示。


The fuses cap shall have the following markings。

示例 Example:



- ① 工厂标识/Chevron Logo:
- ② 电器特性符号/ Electrical Characteristic symbol:
- ③ 额定电流/Rated Current(A): **A**或**or** **mA**
- ④ 额定电压/Rated Voltage(V): **V**
- ⑤ 认证符号/Approval Marks

6. 产品特性/Product Characteristic

Rated Current	Rated Voltage	Breaking Capacity	I ² T A ² s	Safety Approvals
				
250mA	125V 250V	125v@50A ac 250V@50A ac	0.01	●
315mA			0.02	●
400mA			0.035	●
500mA			0.06	●
630mA			0.15	●
800mA			0.5	●
1.0A			0.6	●
1.25A			1.2	●
1.6A			1.8	●
2.0A			2.4	●
2.5A			3.2	●
3.15A			7.0	●
4.0A			8.0	●
5.0A			15	●
6.3A			28	●
8.0A			/	●
10.0A			/	●

7. 外观及形状 / Appearances and Configuration

7.1 外观不应出现显著的污点、裂纹，标识应该容易辨识。

There shall not be any remarkable stain and crack on the appearances, markings shall be easily legible.

7.2 形状：不带引线或带直线引脚小型玻璃管保险丝。

Configuration: No Lead End Cap or Axial Ledged Miniature Glass Tube Fuse.

8. 产品特性 / Product Characteristics

8.1 引脚拉力强度 / Lead Pull Strength

10 牛顿 10±1 秒 / 10N for 10±1 Seconds

8.2 引脚推力强度 / Lead Thrust Strength

2 牛顿 10±1 秒 / 2N for 10±1 Seconds

8.3 可焊性 / Solder ability

波峰焊/Wave : 260°C, ≤3s;

烙铁焊/Soldering Iron: 350±10°C, ≤3s.

8.4 耐焊接热 / Soldering Heat Resistance

波峰焊/Wave : 260°C, <10s;

烙铁焊/Soldering Iron: 350°C, <2s.

9. 电气特性 / Electrical Characteristics

9.1 实验条件: Test Condition

所有测试环境温度为 25±5°C。

All electrical test is to be conducted with the ambient air at a temperature of 25±5°C.

9.2 分断能力 / Interrupting Rating:

分断能力 Breaking Capacity::

50 安培电流使用 250 伏交流电源(500mA~6.3A)。

50A@ 250V AC(500mA~6.3A)

The insulation resistance value of fuse is greater than 0.1MΩ after breaking capacity testing.

9.3 温度上升试验 / Rising Temperature Test:

通1.0倍额定电流,当温度稳定时(5分钟测量4次,且每次测量值与平均值相差不超过2°C)。

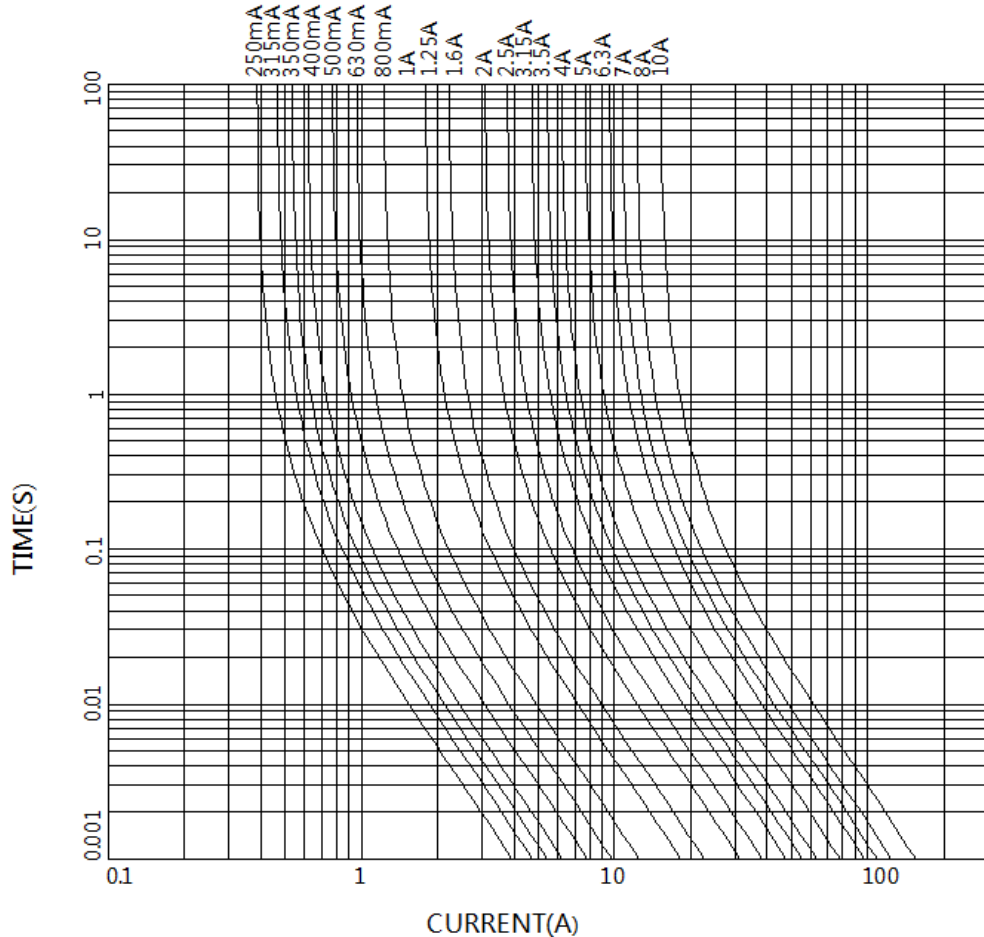
测得熔断体任何部位的温升不得超过75°C,周围环境温度为25±5°C。

When the 100% times of Ampere Rating passes the fuse, after reaching thermal balance, the temperature on the fuse surface rising shall not be higher than 75°C. Note: Rising temperature = the Surface temperature - Ambient temperature. Rising

9.4 熔断时限 / Opening Time

额定电流的% % of Ampere Rating	熔断时间 Opening Time
100%	T>4hrs
200%	T<60s

9.5 平均时间电流曲线图 / Average Time Current Curves



10. 环境特性 / Environmental Characteristic

10.1 使用温度范围 / Operating Temperature

-55℃~+125℃。

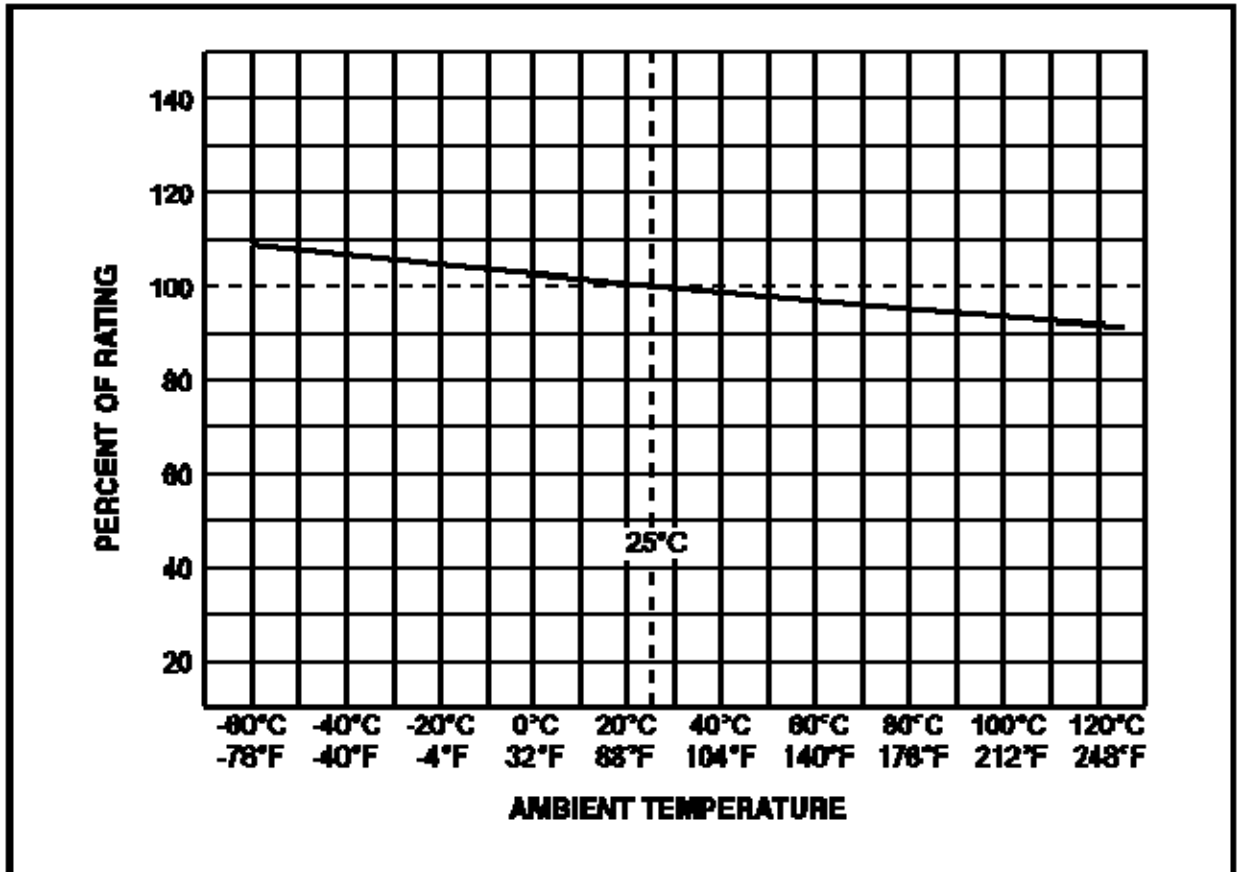
10.2 保存条件 Stock Condition

湿度：相对湿度 ≤ 75% 平均可以存放 3 年。

Humidity: Relative humidity ≤ 75% store 3 years in average.

10.3 若操作环境温度超出 25±5℃ 范围，在选用保险丝规格时，需考虑操作环境温度对保险丝的影响，请参照如下：温度-电流曲线图。

When choosing the fuse's specification, if the operating environmental temperature beyond the scope from 20~30℃, engineer should consider the environmental temperature's affection to fuses. Please refer: Temperature Rerating Curve:



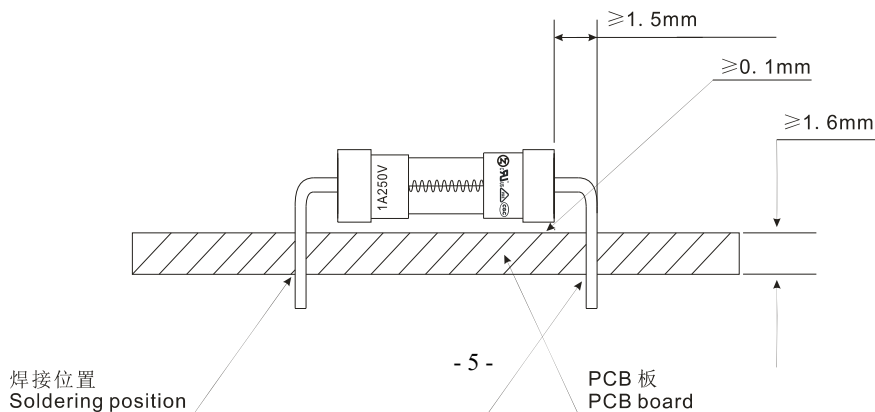
11. 安装建议 / Installation Recommendations

11.1 建议按照如下示意图方式进行安装。

Propose installation way as following picture.

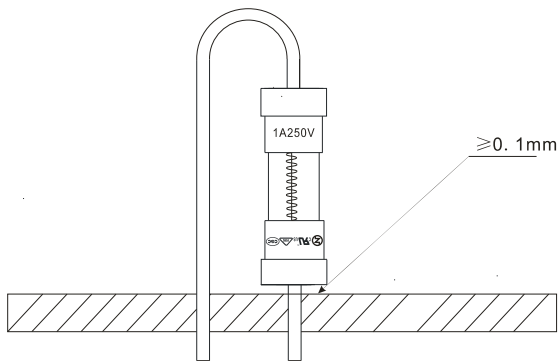
A、带引线卧式安装

Axial Leaded Horizontal installation



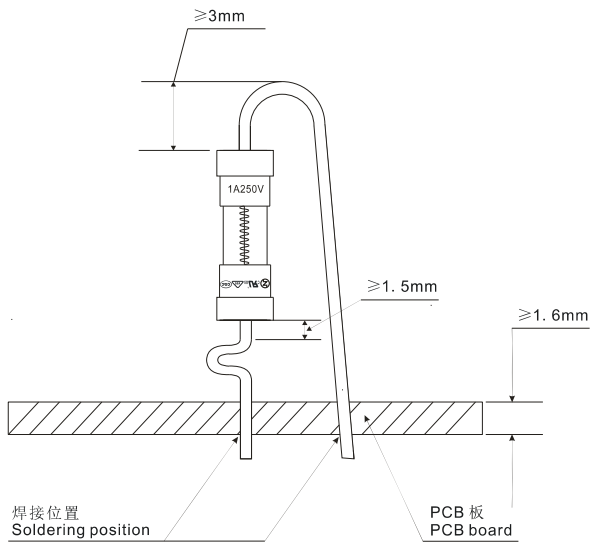
B、带引线立式安装

Axial Leaded Vertical installation



C、带引线立式安装

Axial Leaded Vertical installation



11.2 建议焊接参数 / Recommended Soldering Parameters

A. 波峰焊参数 / Wave Parameters:

锡炉温度 / Solder Pot Temperature: $260^{\circ}\text{C} \pm 10^{\circ}\text{C}$

焊接时间 / Solder Dwell Time: 2~5s

B. 手工焊参数 / Hand-Solder Parameters:

烙铁温度 / Solder Iron Temperature: $350 \pm 5^{\circ}\text{C}$

焊接时间 / Heating Time: 3s Max

12. 包装 / Packaging

12.1 包装袋/盒印明下列标示: / The following items indicated on the label:

产品料号、额定(电压、电流)、分断类型及安规名称。

Catalog number, ratings (voltage, current), interrupting type and safety mark.

包装材料均符合 RoHS/REACH/HF 的环保要求, 且包装材料不会和零件发生化学反应, 造成不良。

The packing material conforms to ROHS/REACH/HF environmental protection request.

And the packing materials will not have the chemical reaction with the components.

12.2 包装数量 / Packing Quantity

每胶袋 500 个保险丝 / Bulk 500 pcs in per poly bag;

每盒 10 胶袋 1 个内盒 / 10 poly bags in per inner box;

每 4 个内盒 1 个外箱 / 4 inner boxes in per outer carton

附件 I: 安规证书和 SGS 证书 / Appendix I: Safety approval certificates and SGS approval