REOMAX ELECTRONICS TECHNOLOGY Co.,LTD

承　认　书

SPECIFICATION FOR APPROVAL

客户名称
Customer name

客户料号
Customer material No.

产品名称
Product name　　5.500.F　5*20 陶瓷保险丝

产品型号
Product model

送样日期
Deliver date　　年　　月　　日

本司确认（TRX APPROVAL）			
检验 Inspection	校对 Proofreading	批准 Approval	签章 Signature
唐军	唐盛华	罗雄	
客户确认（CUSTOMER APPROVAL）			
检验 Inspection	校对 Proofreading	批准 Approval	签章 Signature

确认结果Verify the results：

☐合格Qualified　☐不合格Unqualified　☐其他Other

规格承认书

Specification for approval

产品名称：5.500.F 系列 快断型 陶瓷管保险丝

Product Type: 5.500.F Series *Fast-Acting* Ceramic *Tube Fuse*

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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 UL 248 -1 / -14。

Standards：In accordance with UL 248 -1 / -14.

2.2 认证范围 Certification：

额定电压 Voltage Rating	安规标准 Agency	认证范围 Ampere Range	证书编号 Agency File Number
500V	c UR us	100mA ~ 20A	E340427(JDYX2)
	cUL	100mA ~ 20A	E340427(JDYX8)

2.3 目录编号 Catalogue No.，A = 500V ● Approved / ○ Pending

目录编号 Catalog No.	额定电流 Ampere Rating	额定电压 Voltage Rating	分断能力 Breaking Capacity	熔化热能 I^2TMelting Integral($A^2.S$)	安规认证 Agency Approvals		
					c UR us	c UL us	JET
5.500.F0100A	100mA	500V	5000A@500VAC/DC (100mA~12A); 300A@500V AC/DC (100mA~20A);	0.002	●	○	○
5.500.F0125A	125mA	500V		0.003	●	○	○
5.500.F0160A	160mA	500V		0.005	●	○	○
5.500.F0200A	200mA	500V		0.01	●	○	○
5.500.F0250A	250mA	500V		0.02	●	○	○
5.500.F0300A	300mA	500V		0.04	●	○	○
5.500.F0315A	315mA	500V		0.045	●	○	○
5.500.F0350A	350mA	500V		0.055	●	○	○
5.500.F0400A	400mA	500V		0.07	●	○	○
5.500.F0500A	500mA	500V		0.1	●	○	○
5.500.F0630A	630mA	500V		0.2	●	○	○

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5.500.F0750A	750mA	500V	5000A@500VAC/DC (100mA~12A); 300A@500V AC/DC (100mA~20A);	0.35	●	○	○
5.500.F0800A	800mA	500V		0.45	●	○	○
5.500.F1100A	1A	500V		0.9	●	○	○
5.500.F1125A	1.25A	500V		1.3	●	○	○
5.500.F1150A	1.5A	500V		1.6	●	○	○
5.500.F1160A	1.6A	500V		2.5	●	○	○
5.500.F1200A	2A	500V		5.8	●	○	○
5.500.F1250A	2.5A	500V		7.6	●	○	○
5.500.F1300A	3A	500V		8.1	●	○	○
5.500.F1315A	3.15A	500V		11	●	○	○
5.500.F1350A	3.5A	500V		19	●	○	○
5.500.F1400A	4A	500V		28	●	○	○
5.500.F1500A	5A	500V		40	●	○	○
5.500.F1600A	6A	500V		50	●	○	○
5.500.F1630A	6.3A	500V		64	●	○	○
5.500.F1700A	7A	500V		107	●	○	○
5.500.F1800A	8A	500V		133	●	○	○
5.500.F2100A	10A	500V		242	●	○	○
5.500.F2150A	15A	500V		368	●	○	○
5.500.F2160A	16A	500V		388	●	○	○
5.500.F2200A	20A	500V		442	●	○	○

3. 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:

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	5.500	F	A	500V	
①	②	③	④	⑤	⑥

①	制造厂商标识/Reomax Trade Mark:
②	系列型号名称/Series Type Name: **5.500** *未标*
③	电器特性符号/ Electrical Characteristic symbol: **F** *(快断型保险丝符号 / symbol for Fast-Acting)未标*
④	额定电流/Rated Current (A): **_1_A** 或 or**___mA**
⑤	额定电压/Rated Voltage (V): **500V**
⑥	认证符号/ Approval Marks:

注意 / Note： *对于标示的大小和位置没有规定。*

Size and position of the markings shall not be provided.

特殊问题请咨询有关人员,关于引脚直径有 0.8mm 和 1A 以下未进沙 Special problem please consult the relevant personnel, about the pin diameter is 0.8 mm and 1 a below into the sand

关于有引脚和无引脚请用文字表示或用=有字母+P=（有引脚）无字母+P=（表示无引脚）

About with and without pin pin please use = have expressed in words or letters + P = no letters (pin) + P = no pin (say)

4. 外观及形状 / Appearances and Configuration

4.1 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.

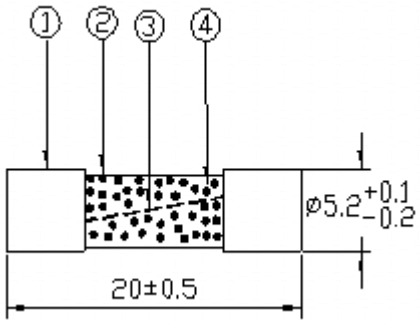
4.2 形状：带直线引脚和无引脚小型陶瓷管保险丝。

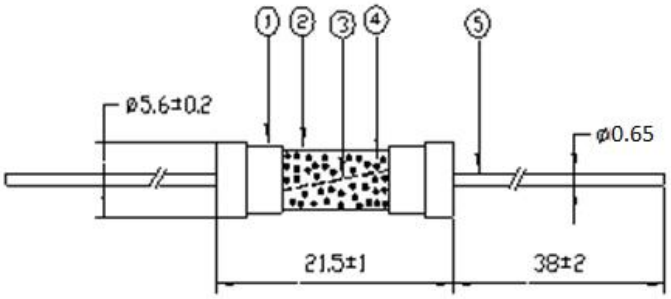
Configuration：No pin/Axial Leaded Miniature Ceramic Tube Fuse.

5. 结构及尺寸 / Dimensions and Structure

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单位：毫米 / Unit: mm





6. 材料明细 / Material Details

编 号 NO.	零 件 名 称 Part Name	材 质 Material
①	铜帽 Cap	黄铜镀镍 Nickel Plated Brass
②	陶瓷管 Body	陶瓷管 Ceramic Tube
③	熔丝 Fuse element	合金 Alloy
④	防爆砂 Explosion-proof sand	石英砂 Quartz sand
⑤	引线 lead	黄铜镀镍 Nickel Plated Brass

7. 产品特性 / Product Characteristics

7.1 引脚拉力强度 / Lead Pull Strength

5 牛顿 10±1 秒 / 5N for 10±1 Seconds

7.2 引脚推力强度 / Lead Thrust Strength

2 牛顿 10±1 秒 / 2N for 10±1 Seconds

7.3 可焊性 / Solder ability

波峰焊/Wave : 260℃，≤3s;

烙铁焊/Soldering Iron: 350±10℃，≤3s.

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7.4 耐焊接热 / Soldering Heat Resistance

波峰焊/Wave : 260℃， 10s;

烙铁焊/Soldering Iron: 350℃， 5s.

8. 电气特性 / Electrical Characteristics

8.1 实验条件：Test Condition

所有测试环境温度为 25±5℃。

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

8.2 负载能力 / Load capacity：

当保险丝通过 100%的额定电流时，在 4 小时内不应熔断。

When the fuse loads through 100% of rated current, should blow within 4 hours.

8.3 分断能力 / Interrupting Rating：

保险丝承受分断能力：

5000A@500VAC/DC(100mA~12A);

300A@500V AC/DC (100mA~20A);

Breaking Capacity:

5000A@500VAC/DC(100mA~12A);

300A@500V AC/DC (100mA~20A);

8.4 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℃）。测得熔断体任何部位的温升不得超过 75℃，周围环境温度为 25±5℃。

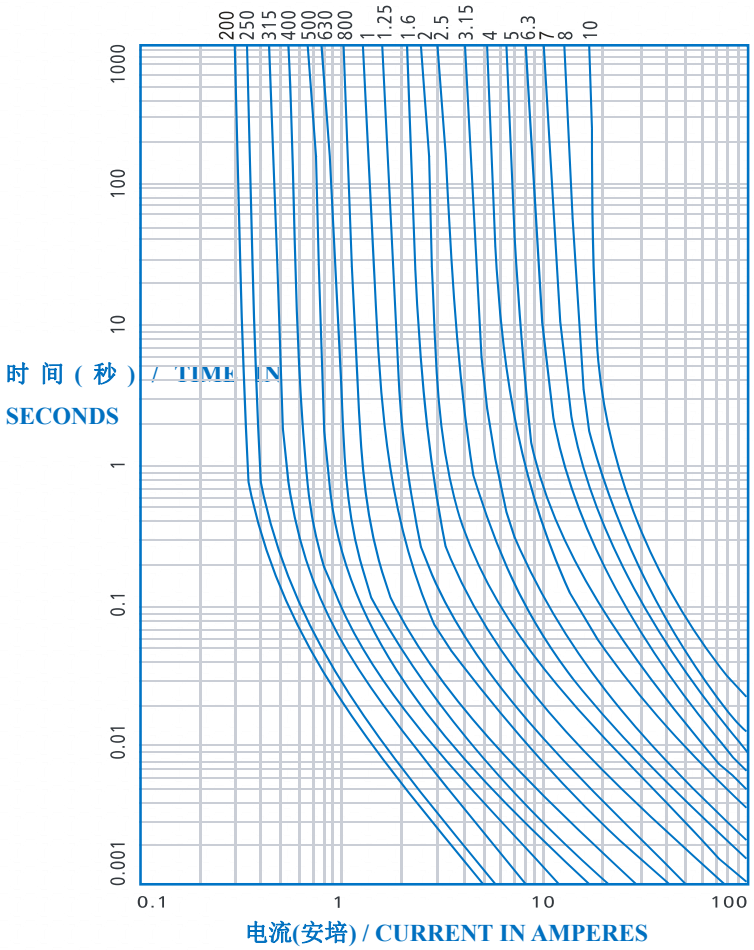
When the 100% times of Ampere Rating passes the fuse, after reaching thermal balance , the temperature on the fuse surface rising shall not be higher than 75℃. Note: Rising temperature = the Surface temperature - Ambient temperature.

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8.5 熔断时限 / Operating Characteristics

额定电流的% % of Ampere Rating(In)	熔断时间 Blowing Time
100%* In	大于 4 小时(4 hours Min)
135%* In	小于 1 小时(1 hour Max)
200%* In	小于 5 秒(5 sec Max)

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



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9. 环境特性 / Environmental Characteristic

9.1 使用温度范围 / Operating Temperature

-55℃～+125℃。

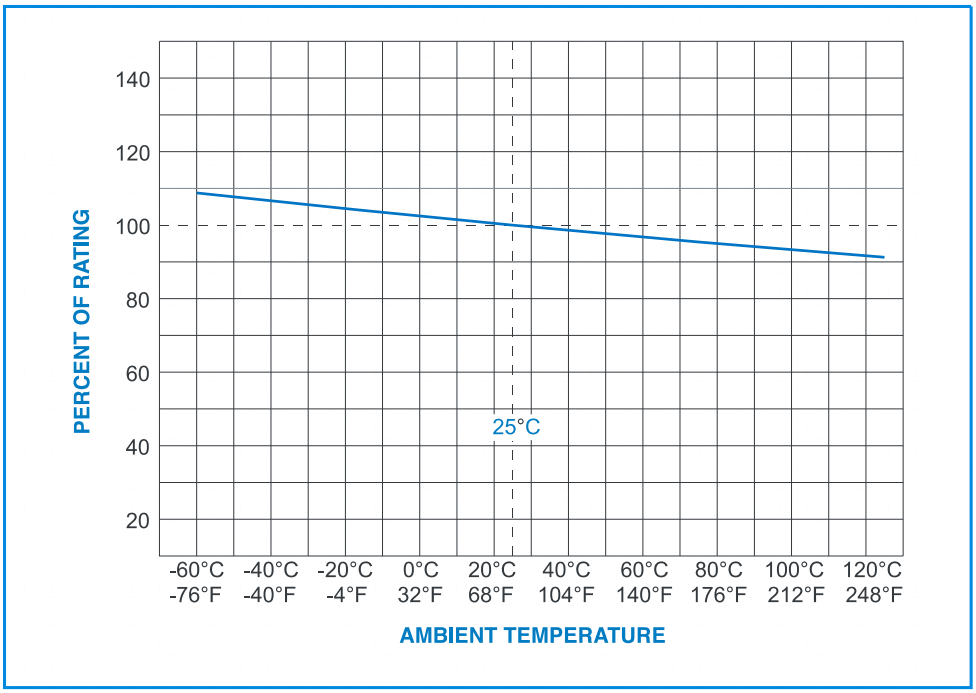
9.2 保存条件 Stock Condition

湿度：相对湿度≦75%平均可以存放 3 年。

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

9.3 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:



10. 安装建议 / Installation Recommendations

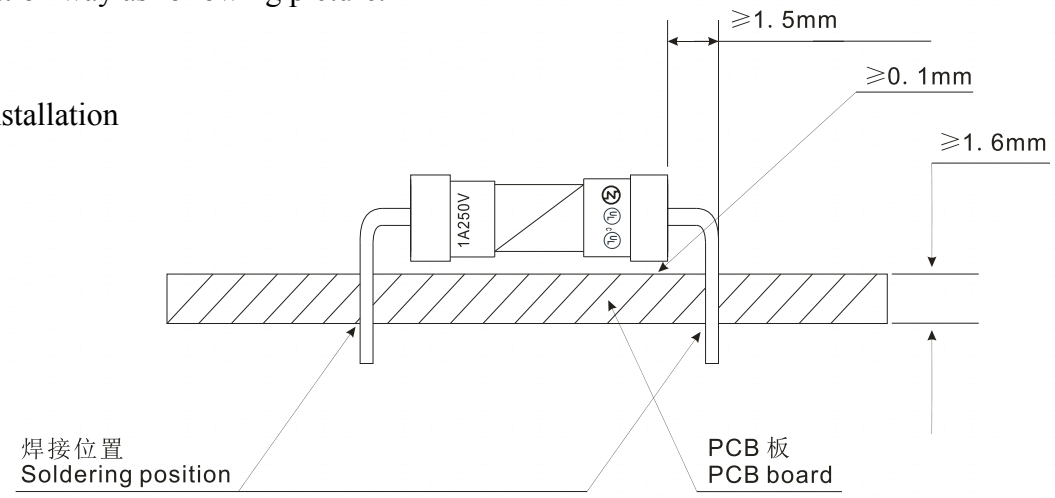
10.1 建议按照如下示意图方式进行安装。

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Propose installation way as following picture.

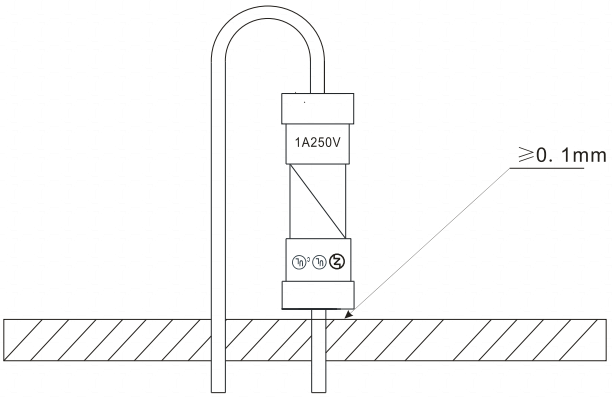
A、卧式安装

Horizontal installation



B、立式安装

Vertical installation



10.2 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℃ Max

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±5℃

焊接时间 / Heating Time: 5s Max

11. 包装 / Packaging

11.1 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.

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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.

11.2 包装数量 / Packing Quantity

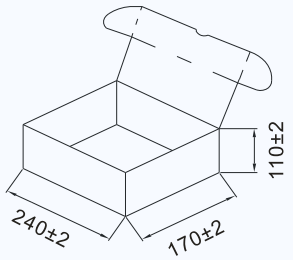
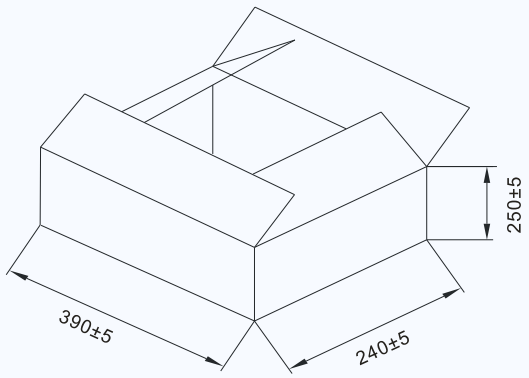
每胶袋 500/250 个保险丝 / Bulk 500/250 pcs in per poly bag;

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

11.3 包装箱尺寸 / Packing Size

单位：毫米 / Unit: mm

A. inner box：	B. Outer carton：
L240±2 * W170±2 * H110±2	L390±5 * W240±5 * H250±5
	

12. 其他 / Others

12.1 如果在使用中有超出本规格书的要求，须经双方协商确认。

In the event that an impropriety is found beyond this specification, it shall be fixed by mutual agreement between the parties.

12.2 如果本规格书有不适当的情况，须通过双方协商并由本公司修改。

In the event that an impropriety is found in this specification, *REOMAX ELECTRONICS CO., LTD.* shall amend it by mutual agreement between the parties.

附件 I: 安规证书 / Appendix I: Safety approval certificates

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