

Version No.:2018121

Spec. No.: BMF

规格承认书

Specification for Approval

产品名称: **BMF 系列 250V 6*32mm 快断型 陶瓷管保险丝**

Product Type: BMF Series 250V 6*32mm Fast Blow 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 IEC60127-1, IEC60127-2, GB9364.1, GB9364.2。

Standards: In accordance with IEC60127-1, IEC60127-2, GB9364.1, GB9364.2.

2.2 目录编号 Catalogue No., 250V, ● 已认证 Approved / ○ 认证中 Pending

目录编号 Catalog No.	额定电流 Ampere Rating	额定电压 Voltage Rating	最大电压降 Max Voltage Drop (mv)	熔化热能 I ² T Melting Integral(A ² .S)	安规认证 Agency Approvals				
0100A	100mA	250V	7000	-	●	○	○	○	○
0125A	125mA	250V	5000	-	●	○	○	○	○
0160A	160mA	250V	4300	-	●	○	○	○	○
0200A	200mA	250V	3500	-	●	○	○	○	○
0250A	250mA	250V	2800	-	●	○	○	○	○
0315A	315mA	250V	2500	-	●	○	○	○	○
0500A	500mA	250V	2000	-	●	○	○	○	○
0500A	500mA	250V	1800	0.2	●	○	○	○	○
0630A	630mA	250V	1500	0.3	●	○	○	○	○
0800A	800mA	250V	1200	0.4	●	○	○	○	○
1100A	1A	250V	1000	0.6	●	○	○	○	○
1125A	1.25A	250V	800	0.8	●	○	○	○	○
1160A	1.6A	250V	600	1.2	●	○	○	○	○
1200A	2A	250V	500	3.4	●	○	○	○	○
1250A	2.5A	250V	500	7.2	●	○	○	○	○
1315A	3.15A	250V	350	9.2	●	○	○	○	○
1500A	4A	250V	300	14	●	○	○	○	○
1500A	5A	250V	250	25	●	○	○	○	○
1630A	6.3A	250V	200	64	●	○	○	○	○

1800A	8A	250V	200	-	●	○	○	○	○
2100A	10A	250V	200	-	●	○	○	○	○
2120A	12A	250V	-	-	●	○	○	○	○
2160A	16A	250V	-	-	○	○	○	○	○
2200A	20A	250V	-	-	○	○	○	○	○
2250A	25A	250V	-	-	○	○	○	○	○
2300A	31.5A	250V	-	-	○	○	○	○	○

3. 外观及形状 / Appearances and Configuration

3.1 外观不应出现显著的污点、裂纹，标识应该容易辨识。

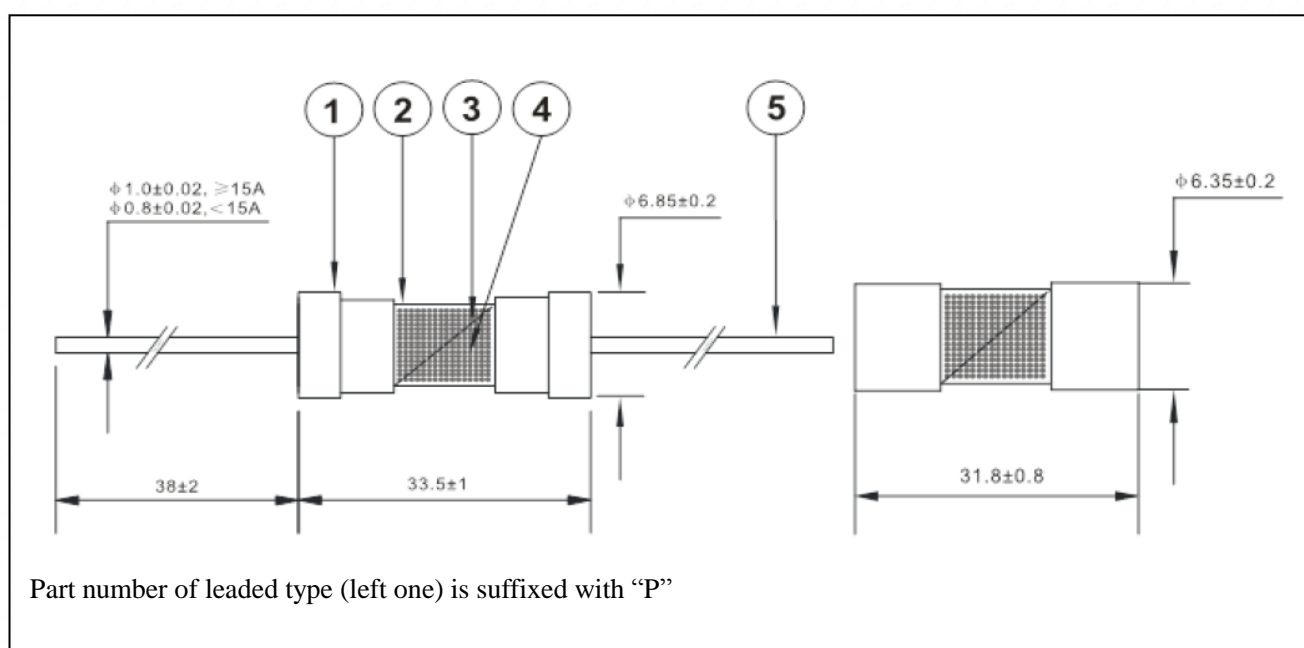
There shall not be any remarkable stain and crack on the appearances, markings shall be easily legible.

3.2 形状：带直线引脚小型陶瓷管保险丝。

Configuration: Axial Leaded Miniature Ceramic Tube Fuse.

4. 结构及尺寸 / Dimensions and Structure

单位：毫米 / Unit: mm



5. 材料明细 / Material Details



编号 NO.	零件名称 Part No.	材质 Material
①	铜帽 Cap	黄铜镀镍 Nickle plated brass
②	陶瓷管 Body	陶瓷 Ceramic
③	熔丝 Fuse Element	合金 Alloy
④	灭弧剂 Filler	硅砂 Silica
⑤	引线 Leads	镀锡铜线 Tin plated copper

6. 产品特性 / Product Characteristics

6.1 引脚拉力强度 / Lead Pull Strength

5 牛顿 10±1 秒 / 5N for 10±1 Seconds

6.2 引脚推力强度 / Lead Thrust Strength

2 牛顿 10±1 秒 / 2N for 10±1 Seconds

6.3 可焊性 / Solder ability

波峰焊/Wave : 260℃, ≤3s;

烙铁焊/Soldering Iron: 350±10℃, ≤3s.

6.4 耐焊接热 / Soldering Heat Resistance

波峰焊/Wave : 260℃, 10s;

烙铁焊/Soldering Iron: 350℃, 5s.

7. 电气特性 / Electrical Characteristics

7.1 实验条件: Test Condition

所有测试环境温度均为 25±5℃。

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

7.2 分断能力 / Interrupting Rating:

保险丝承受分断能力: 1000 安培使用 250 伏直流电源。

分断能力测试后保险丝的绝缘阻抗值大于 0.1MΩ。

Breaking Capacity: 1000 amperes at 250V



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

7.3 温度上升试验 / Rising Temperature Test:

通 1.5 倍额定电流 15 分钟，然后每隔 15 分钟增加 0.1 倍额定电流。测得熔断体断开时任何部位的温升不得超过 135℃，周围环境温度为 25±5℃。

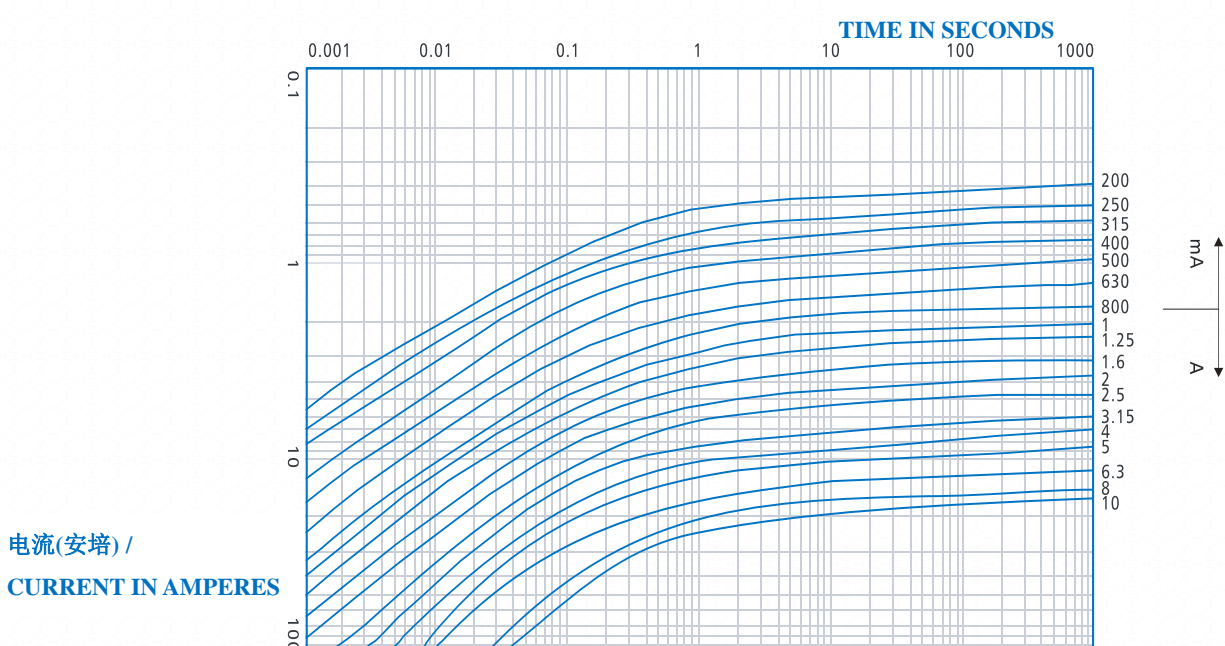
Under the ambient temperature of 25±5℃, through 1.5 times the rated current for 15 minutes, then every 15 minutes, add an increase of 0.1 times the rated current. When operates, the temperature rise in any part of fuse should not exceed 135℃.

7.4 熔断时限 / Operating Characteristics

● Electrical Characteristics 电气特性

UL248-1/14 % of Ampere Rating(In)	Blowing Time
100%* In	(4 hours Min)
200%* In	(5 sec Max)
IEC 60127 % of Ampere Rating(In)	Blowing Time
210%* In	(30 min Max)
275%* In	(10 ms~2 s)

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



8. 环境特性 / Environmental Characteristic

8.1 使用温度范围 / Operating Temperature

-55℃~+125℃。

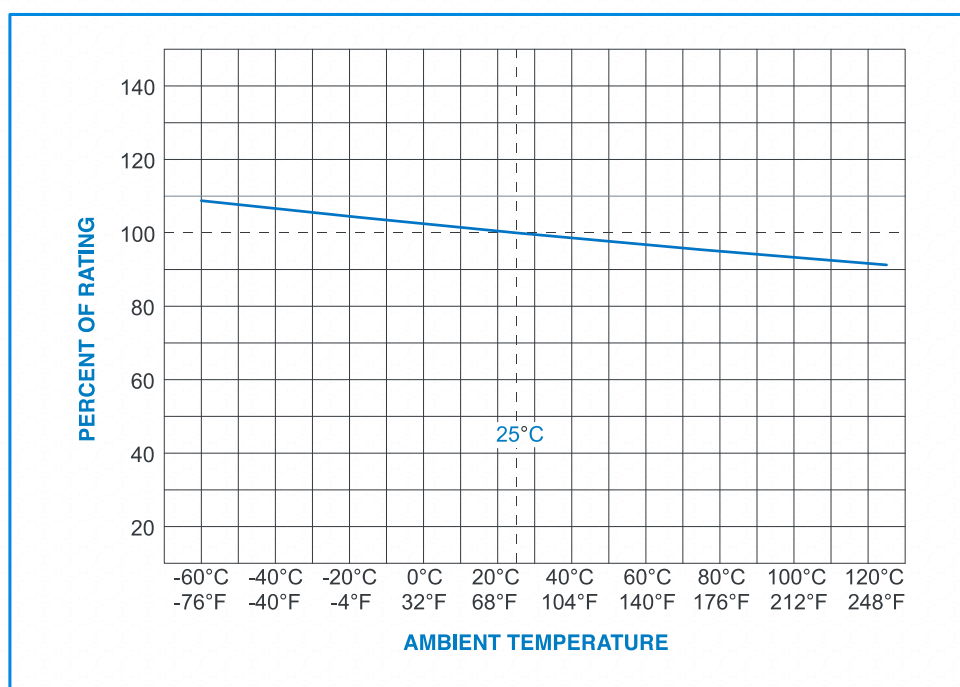
8.2 保存条件 Stock Condition

湿度：相对湿度 $\leq 75\%$ 平均可以存放3年。

Humidity: Relative humidity $\leq 75\%$ store 3 years in average.

8.3 若操作环境温度超出 $25 \pm 5^\circ\text{C}$ 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 $20\sim 30^\circ\text{C}$, engineer should consider the environmental temperature's affection to fuses. Please refer: Temperature Rerating Curve:



9. 安装建议 / Installation Recommendations

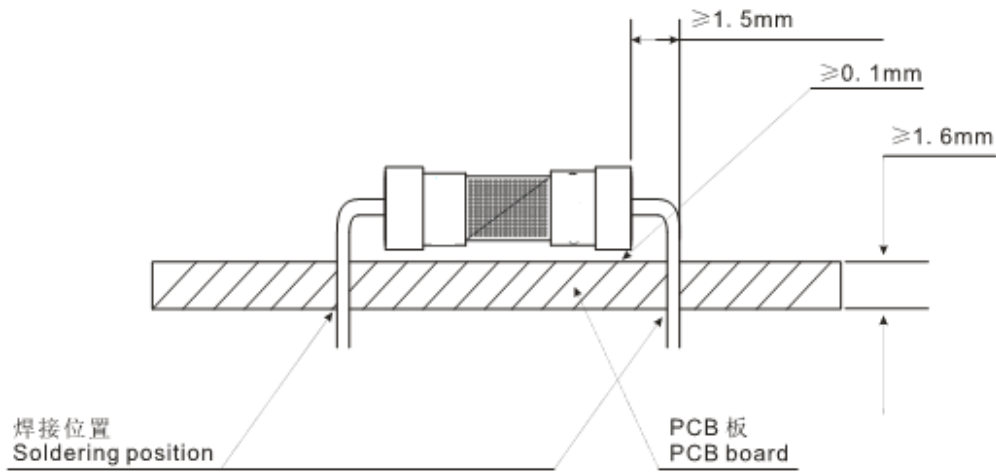
9.1 建议按照如下示意图方式进行安装。

Propose installation way as following picture.

A、卧式安装

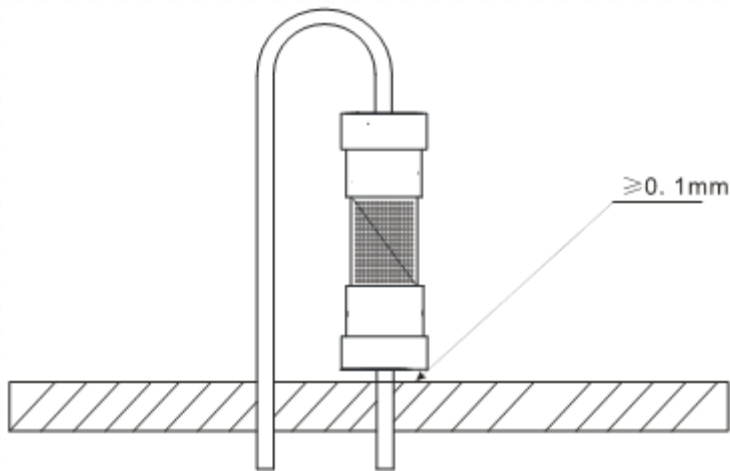


Horizontal Installation



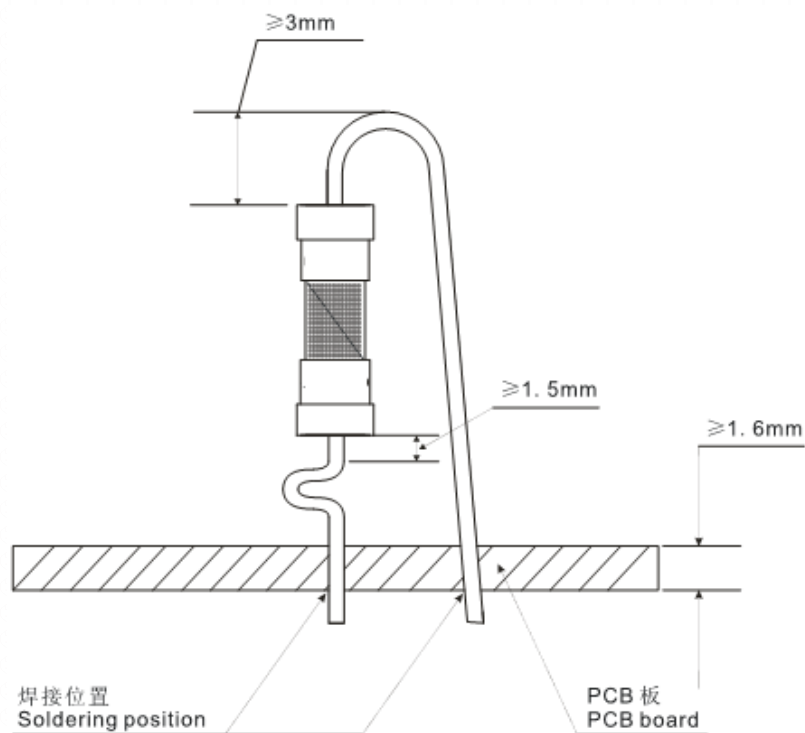
B、立式安装

Vertical installation



C、立式安装

Vertical installation



9.2 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°C 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: $350 \pm 5^{\circ}\text{C}$

焊接时间 / Heating Time: 5s Max

10. 包装 / Packaging

10.1 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.

10.2 包装数量 / Packing Quantity

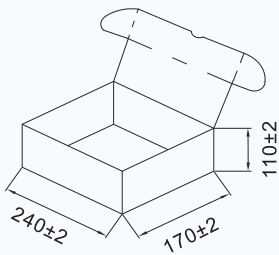
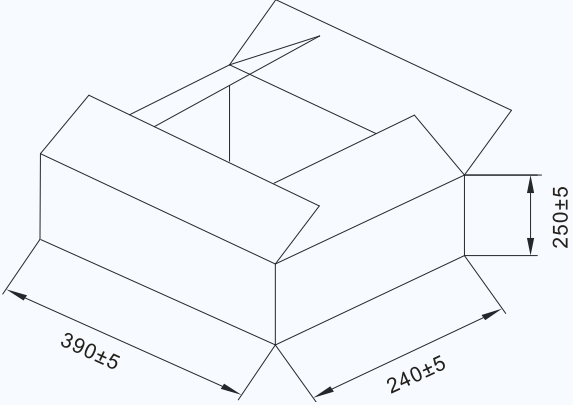
每胶袋 200 个保险丝 / Bulk 200 pcs in per poly bag;

每 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

10.3 包装箱尺寸 / Packing Size

单位: 毫米 / Unit: mm

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

11. 其他 / Others

11.1 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.

11.2 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 ELECTRONIC CO., LTD.* shall amend it by mutual agreement between the parties.