

# 产品规格书

## PRODUCT SPECIFICATION

客户名称:

CUSTOMER:

产品名称:

PRODUCT NAME:

保险丝 FUSE

型号:

MODEL:

$\Phi 3.6 \times 10$  3M

规格:

SPECIFICATION:

500MA 250V 快断型(FAST-ACTING)

料号:

PART NO.:

3M0500AP

供应商:

SUPPLIER:

地址:

ADDRESS:

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供方签章:

SUPPLIER:

需方签章:

CUSTOMER:

日期:

DATE: 2013.12.30

日期:

DATE:

	PRODUCT	EDITION NO.	A/5
	SPECIFICATION	FILE NO.	LS/C-005-09
	MODEL : 3M	PAGE	PAGE 1 OF 4

### 1. 适用范围 Scope of application

本产品适用于各种电子电器内的电路中起过电流保护作用。

This product is suitable for various kinds of electronic machines to work for over current protection.

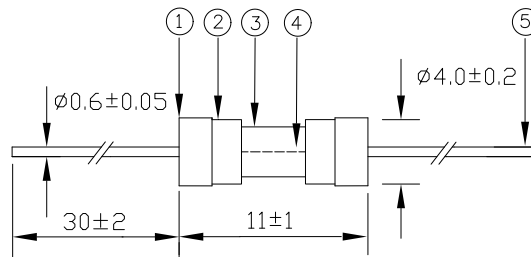
### 2. 相关标准及认证 Relevant Standards and Certification

2.1 执行标准 Standard: UL248-1 UL248-14

2.2 认证 Certification:

额定电压 Voltage rating	UL		CUL	
	认证范围 Scope of Certification	证书编号 Certification No.	认证范围 Scope of Certification	证书编号 Certification No.
125V	100mA~5A	E221465	100mA~5A	E221465
250V	100mA~5A	E221465	100mA~5A	E221465

### 3. 结构及尺寸 Structure and Size (unit: mm)



### 4. 原材料明细 Material Details

编号 No.	零件名称 Part Name	材质 Material
①	端帽 End cap	黄铜表面镀镍 Nickel plated brass
②	内帽 Inner cap	黄铜表面镀镍 Nickel plated brass
③	陶瓷管 Ceramic tube	陶瓷 Ceramic
④	熔丝 Fuse element	合金线 Alloy
⑤	引线 Lead wire	镀锡铜线 Tinned copper wire

### 5. 标示 Marking


保险丝两端铜帽上应印有下列标示: The fuse shall have the following marking :

A 帽: 额定电流+额定电压

A cap: Ampere rating + Voltage rating

500MA 250V

B 帽: 型号+标志+认证符号

	PRODUCT	EDITION NO.	A/5
	SPECIFICATION	FILE NO.	LS/C-005-09
	MODEL : 3M	PAGE	PAGE 2 OF 4

B cap: Lanson's model+ Lanson's logo + Approved Symbol

3M



## 6. 外观 Appearance

6.1 外观不应有显著的污点、裂纹。

There shall not be any remarkable stain, rust or crack on the appearances.

6.2 标示应该很容易辨识。

Marking shall be easily legible.

## 7. 机械特性 Mechanical characteristics

拉力强度试验 Tensile test

将保险丝固定好后，对保险丝两端引线施加 5N 的轴向拉力，持续 1 分钟。试验过后，保险丝没有任何破损现象。

Exert the axial pulling force of 5N to the both ends of lead wire for 1 minute. After the test the fuse shall be no damage and loosening.

## 8. 电气特性 Electrical characteristics

8.1 实验条件 Test condition

所有测试环境温度为  $25\pm 5^{\circ}\text{C}$ 。

All electrical characteristics tests are conducted at an ambient temperature of  $25\pm 5^{\circ}\text{C}$ .

8.2 分断能力 Interrupting Rating

50 安培在 125 伏交流电压条件下。

50 amperes at 125V AC.

50 安培在 250 伏交流电压条件下。

50 amperes at 250V AC.

8.3 温度上升试验：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  $2^{\circ}\text{C}$ ）。测得熔断体任何部位的温升不得超过  $75^{\circ}\text{C}$ 。

Temperature Rising Test: The fuse shall carry 1.0 times ampere rating until temperature stabilization occurs (Stabilization shall be considered to have occurred when no individual temperature rise reading of 4 consecutive readings taken at 5 minute intervals exceeds the average reading of these 4 readings by more than  $2^{\circ}\text{C}$ ). The temperature rising on the fuse surface is not higher than  $75^{\circ}\text{C}$ .

	PRODUCT	EDITION NO.	A/5
	SPECIFICATION	FILE NO.	LS/C-005-09
	MODEL : 3M	PAGE	PAGE 3 OF 4

#### 8.4 时间-电流特性 Time-Current Characteristics

额定电流的% % of ampere rating	熔断时间 Opening time
100%	4 hours Min
200%	60 sec Max

#### 8.5 焊接参数 Soldering parameters

8.5.1 波峰焊 260℃,最大10秒,

Wave soldering 260 °C,10 sec. Maximum

8.5.2 手工焊 350℃,最大5秒,

Manual soldering 350°C, 5 sec. Maximum

#### 8.6 时间电流曲线图见附页 Time- current curve see attachment

### 9. 环境特性 Environmental characteristics

#### 9.1 使用温度范围 Operating Temperature

-55℃~125℃。

#### 9.2 保存条件 Storage Conditions

相对湿度 $\leq$ 75%，可存放3年。

Relative humidity  $\leq$  75%, store 3 years .

### 10. 包装 Packing

10.1 200PCS/小袋、10 小袋/内盒、10 内盒/外箱(实际装箱依客户订单)。

200 fuses per plastic bag, 10 plastic bags per inner box, 10 inner boxes per external carton.  
(The actual case in accordance with the customer order)

10.2 产品符合 RoHS 环保指令，环保标签如下，

The product is compliant with RoHS Directive, RoHS Label as follows,



附：承认书后附安规证书及环保报告

Appendix: The specification attached safety certificate and RoHS directive test report.

