

# 产品规格书

## PRODUCT SPECIFICATION

客户名称:  
CUSTOMER: \_\_\_\_\_

产品名称:  
PRODUCT NAME: \_\_\_\_\_ 保险丝 FUSE

型号规格:  
MODEL DETAIL: \_\_\_\_\_ 2E 6.3A 250V 延时型(TIME-LAG)

料 号:  
PART NO.: \_\_\_\_\_ LM2E1630AP

供应商:  
SUPPLIER: \_\_\_\_\_

地 址:  
ADDRESS: \_\_\_\_\_

| 编 制<br>PREPARED BY | 审 核<br>CHECKED BY | 批 准<br>APPROVED BY |
|--------------------|-------------------|--------------------|
|                    |                   |                    |

| 承 认<br>SIGNATURE | 审 核<br>CHECKED BY | 批 准<br>APPROVED BY |
|------------------|-------------------|--------------------|
|                  |                   |                    |

供方签章:  
SUPPLIER:

需方签章:  
CUSTOMER:

日期:  
DATE:

日期:  
DATE:

## 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.

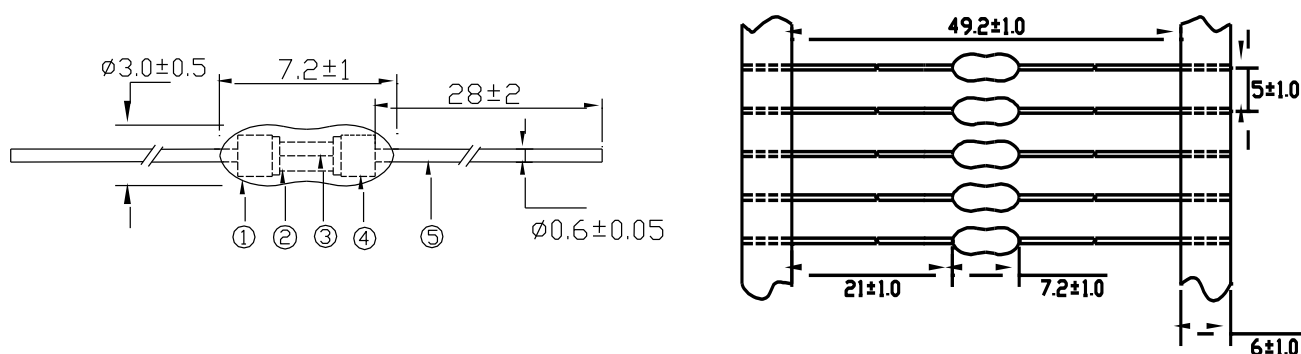
## 2. 相关标准及认证 Relevant Standards and Certification

2.1 执行标准 Standard: UL248-1 UL248-14

2.2 认证 Certification:

| 额定电压<br>Voltage rating | UL                             |                           | CUL                            |                           |
|------------------------|--------------------------------|---------------------------|--------------------------------|---------------------------|
|                        | 认证范围<br>Scope of Certification | 证书编号<br>Certification No. | 认证范围<br>Scope of Certification | 证书编号<br>Certification No. |
| 125V                   | 100mA~6.3A                     | E221465                   | 100mA~6.3A                     | E221465                   |
| 250V                   | 100mA~6.3A                     | E221465                   | 100mA~6.3A                     | 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      | 涂层 Coat          | 环氧树脂 Epoxy Resin           |
| ②      | 陶瓷管 Ceramic tube | 陶瓷 Ceramic                 |
| ③      | 熔丝 Fuse element  | 合金线 Alloy                  |
| ④      | 端帽 End cap       | 黄铜表面镀镍 Nickel plated brass |
| ⑤      | 引线 Lead wire     | 镀锡铜线 Tinned copper wire    |

## 5. 标示 Marking

保险丝应有下列标示: The fuse shall have the following marking:

良胜标志 Lanson's logo 

额定电流 Ampere rating 500mA

## 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 10N 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 10N 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 Temperature Rising Test

当保险丝通以 100% 倍额定电流的条件下进行测试时，在达到热量平衡后，测量保险丝的温度，保险丝表面的温度上升不得超过  $75^\circ\text{C}$ 。

注：温度上升 = 保险丝表面的温度 - 环境温度

Measure the temperature of the surface of the fuse under the 100% rated current, when the thermal equilibrium reached, The temperature rising on the fuse surface is not higher than  $75^\circ\text{C}$ .

Note: Temp. rise = Fuse temp. - Ambient temp.

## 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           |
| 1000%                        | 10ms Min             |

## 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≤75%，可存放 3 年。  
Relative humidity≤75%, store 3 years .

## 10. 包装 Packing

10.1 自动机器编带包装 1000PCS/小袋, 2 小袋 /内盒, 10 内盒/外箱(实际装箱依客户订单)。  
Automaton taped 1000 fuses per plastic bag, 2 plastic bags per inner box, 10 boxes per external carton.( The actual case in accordance with the customer order)

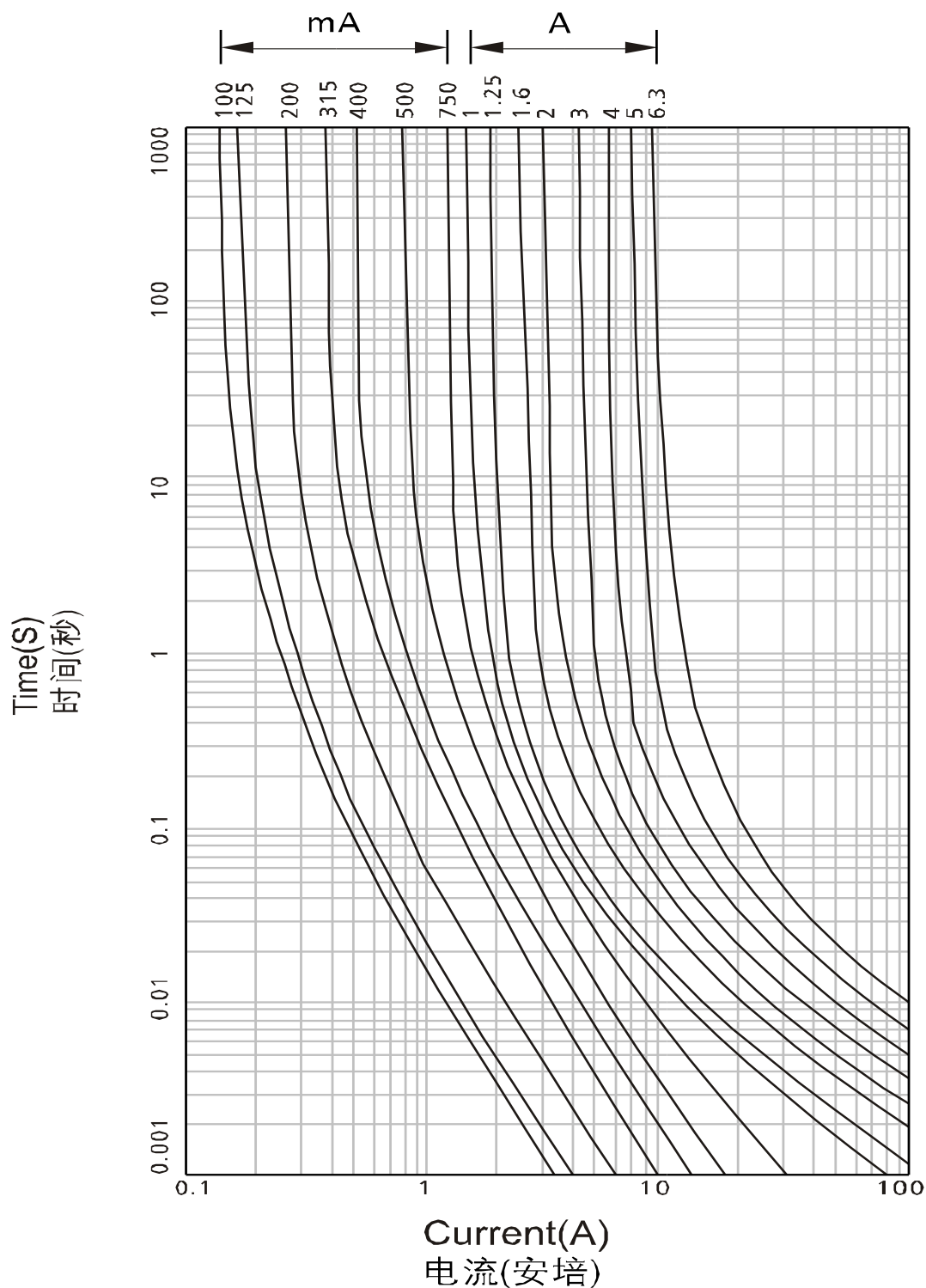
10.2 产品符合 RoHS 环保指令  
The product is compliant with RoHS Directive

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.

附页 Attachment

## Time-Current Characteristics 电流-时间曲线图



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