

SHENZHEN JINRUI ELECTRONIC MATERIAL CO.,LTD	PRODUCT	EDITION NO.	A/6
	SPECIFICATION	FILE NO.	LS/C-005-01
	MODEL: 2D	PAGE	PAGE 1 OF 4

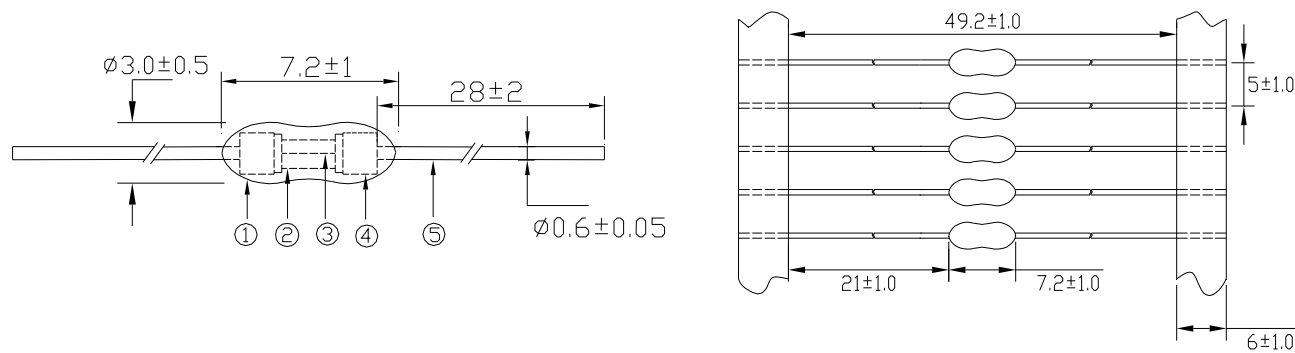
1. 适用范围 Scope of application

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 Relevant Standards

执行标准 Standard: UL248-1 UL248-14

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 :
标志 Logo
额定电流 Ampere rating 100mA

SHENZHEN JINRUI ELECTRONIC MATERIAL CO.,LTD	PRODUCT	EDITION NO.	A/6
	PECIFICATION	FILE NO.	LS/C-005-01
	MODEL: 2D	PAGE	PAGE 2 OF 4

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必须等于或低于 75°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 rise on the surface of each fuse shall be 75°C or less.

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

SHENZHEN JINRUI ELECTRONIC MATERIAL CO.,LTD	PRODUCT	EDITION NO.	A/6
	SPECIFICATION	FILE NO.	LS/C-005-01
	MODEL: 2D	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≤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, 环保标签如下,

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



SHENZHEN JINRUI ELECTRONIC MATERIAL CO.,LTD	PRODUCT	EDITION NO.	A/6
	SPECIFICATION	FILE NO.	LS/C-005-01
	MODEL: 2D	PAGE	PAGE 4 OF 4

附页 Attachment

Time-Current Characteristics
电流-时间曲线图

