

SHENZHEN LANSON ELECTRONICS CO., LTD.	PRODUCT	EDITION NO.	A/2
	SPECIFICATION	FILE NO.	LS/C-005-34
	MODEL: 32E	PAGE	PAGE 1 OF 3

1. 适用范围 Scope of Application

本产品适用于各种电子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

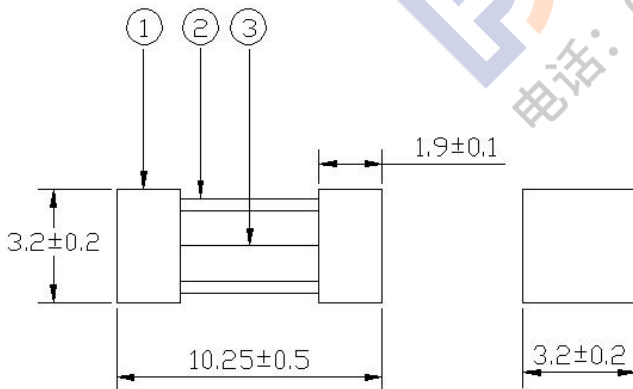
2.1 执行标准 Standard: UL248-1、UL248-14

2.2 认证 Certification

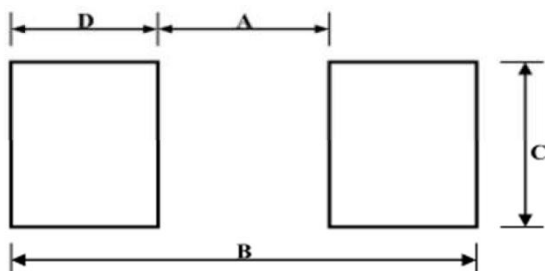
认证 Certification	认证范围 Scope of Certification	证书编号 Certification No.
UL	100mA~60A	E221465

3. 结构尺寸及原材料明细 Structure Size and Material Detail

3.1 结构尺寸 Structure Size (unit: mm)



Recommended pad layout



Dimensions	A(mm)	B (mm)	C(mm)	D(mm)
Spec	5.72±0.3	12.6±0.3	3.43±0.3	3.25±0.3


3.2 原材料明细 Material Detail

编号 No.	零件名称 Part Name	材质 Material
①	端帽 End cap	黄铜表面镀银 Silver plated brass
②	陶瓷管 Ceramic tube	陶瓷 Ceramic
③	熔丝 Fuse element	合金线 Alloy

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4. 标示 Mark

4.1 保险丝上需有下列标示: The fuse shall have the following marking:

良胜标志 Lanson's logo 
 额定电流 Ampere rating 3.15A

5. 电气特性 Electrical Characteristics

5.1 实验条件: 所有测试环境温度为 25±5℃。

Test Condition: All electrical characteristics tests are conducted at an ambient temperature of 25±5℃.

5.2 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 s

5.3 额定分断能力:

Interrupting Rating:

150 Amperes at 125 V /250 V AC (100mA ~60A)

600 Amperes at 100V/ 72V/60V DC (100mA ~60A)

1000 Amperes at 32V DC (100mA ~60A)

6. 环境特性 Environmental Characteristics

6.1 使用温度范围 Operating Temperature

-40℃~125℃。

6.2 保存条件 Storage Conditions

相对湿度≤75%，可以存放 3 年。

Relative humidity≤75%, store 3 years.

6.3 库存产品超过 1 年后需对产品可焊性和产品熔断性能进行验证。

The solderability and performance of the products in stock shall be verified after more than 1 year.

7. 可靠性试验 Reliability Test

7.1 冷热冲击试验 Thermal Shock Test

MIL-STD-202G, Method 107G。

7.2 防潮湿试验 Moisture Resistance Test

MIL-STD-202G, Method 106G。

7.3 振动试验 Vibration Test

MIL-STD-202G, Method 201A。

7.4 可焊性试验 Solderability Test

MIL-STD-202G, Method 208H, IEC60127-2, IEC60068-2。

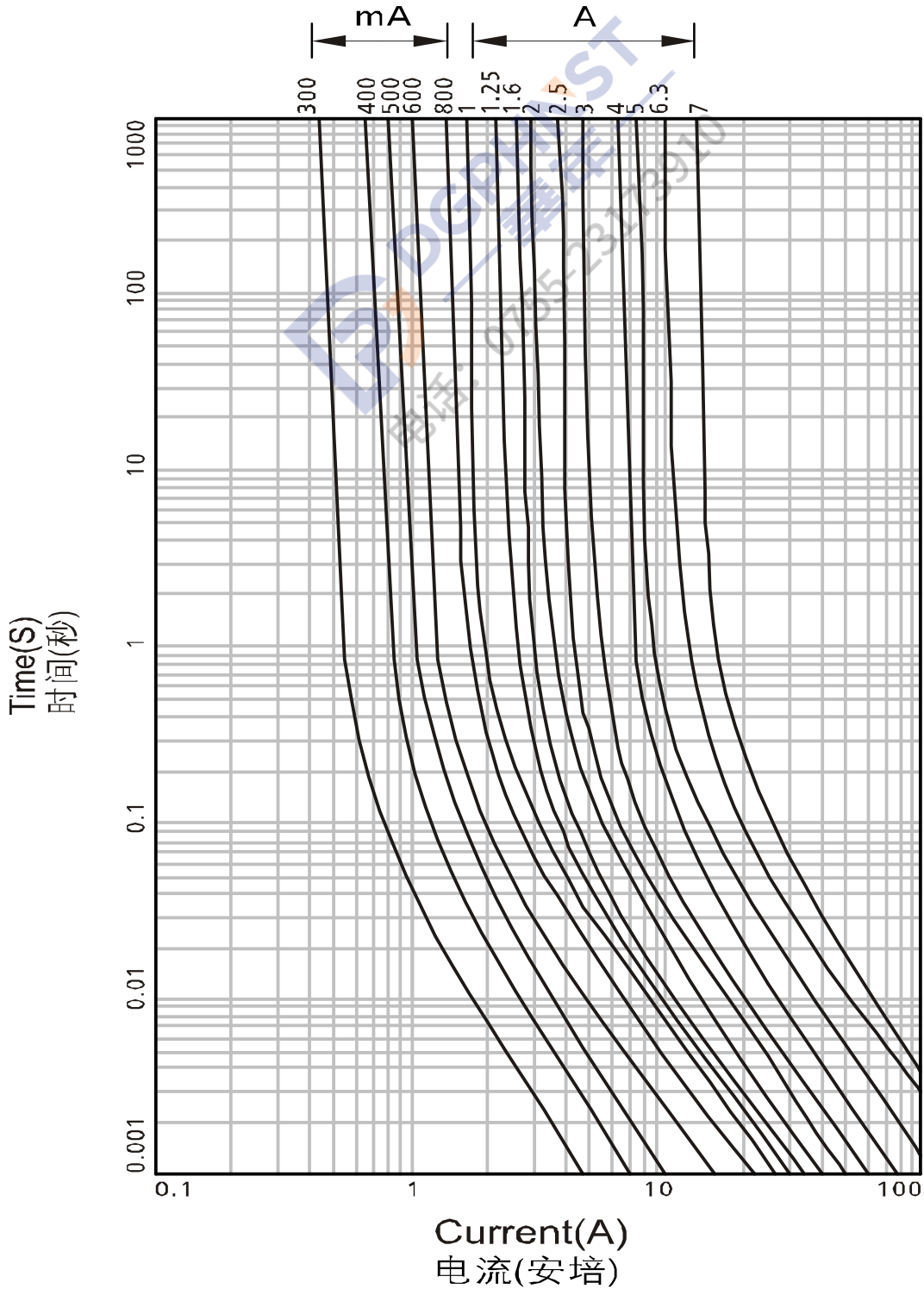
7.5 焊锡附着力试验 Solder adhesion test

保险丝上锡后可以承受 3KG 的推力 Fuse can sustain 3KG thrust after tin.

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8. 时间-电流曲线图 Time-Current Curve

Time-Current Characteristics
电流-时间曲线图



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9. 焊锡参数 Soldering Parameters

9.1 回流焊 Reflow Soldering

9.1.1 温度 Temperature 260℃

9.1.2 时间 Time ≤10 seconds

9.1.3 最大可以承受三次回流焊

Capable for three times reflow

10. 包装 Packing

自动机器包装 2000PCS/卷。Automaton taped 2000PCS per reel.

