产品规格承认书
Specification For Approval

客户名称：
CUSTOMER:

产品名称：
PRODUCT NAME: 贴片保险丝 SMD FUSE

型 号：
MODEL: 32E (RoHS Compliant) 60A 250V

料 号：
PART NO.: 32E2600A

供应商：
SUPPLIER: 深圳市良胜电子有限公司 SHENZHEN LANSON ELECTRONICS CO., LTD. 惠州市良胜电子有限公司 HUIZHOU LANSON ELECTRONICS CO., LTD.

工厂地址：
ADDRESS: 惠州仲恺高新区沥林镇英光村惠州仲恺中集智城产业园 12 号厂房 Factory Building No.12, Zhongji Wisdom City Industrial Park, ZhongKai District, HuiZhou.

TEL: 0752-3339907 FAX: 0755-29929812

Http: www.lansonfuse.com E-mail: lanson@lansonfuse.com

编 制 PREPARED BY	审 核 CHECKED BY	批 准 APPROVED BY
研发部 2026-01-04 李岳文	研发部 2026-01-04 冯光明	研发部 2026-01-04 张毅

承 认 SIGNATURE	审 核 CHECKED BY	批 准 APPROVED BY

供方签章：
SUPPLIER：

惠州市良胜电子有限公司 研发部 LAN SON 001 专用章

日期：2026.01.04
DATE：

需方签章：
CUSTOMER：

日期：
DATE：

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

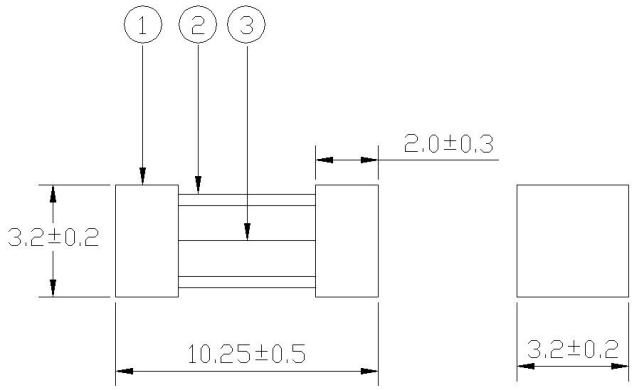
2.1 执行标准 Standard: UL248-1、UL248-14

2.2 认证 Certification

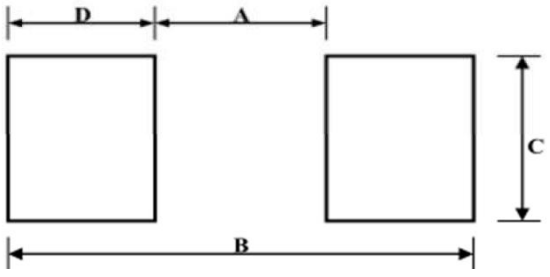
认证 Certification	认证范围 Scope of Certification	证书编号 Certification No.
UL	100mA~60A	E221465
TUV	500mA-10A	R50594223
	15A-30A	J50644391
CQC	500mA-10A	CQC22012372532
	15A-20A	CQC25012480413

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

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 60A

5．型号说明 Model explain

「EX」例 ： 32E 2 600 A

1 2 3 4

1) 32E: 产品型号
Product model

2) 2: 表示额定电流值范围在（10A~100A）
Ampere Rating(10A~100A)

3) 600: 额定电流值为 60 安培
Ampere Rating 60A

4) A: 额定电压值为 250 伏特
Volt Rating 250V

6. 电气特性 Electrical Characteristics

6.1 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℃.

6.2 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

6.3 额定分断能力：

Interrupting Rating:

100 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)

7. 环境特性 Environmental Characteristics

7.1 使用温度范围 Operating Temperature

-40℃~125℃。

7.2 保存条件 Storage Conditions

相对湿度≤75%，可以存放 3 年。

Relative humidity≤75%, store 3 years.

7.3 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.

8. 可靠性试验 Reliability Test

8.1 冷热冲击试验 Thermal Shock Test
MIL-STD-202G, Method 107G。

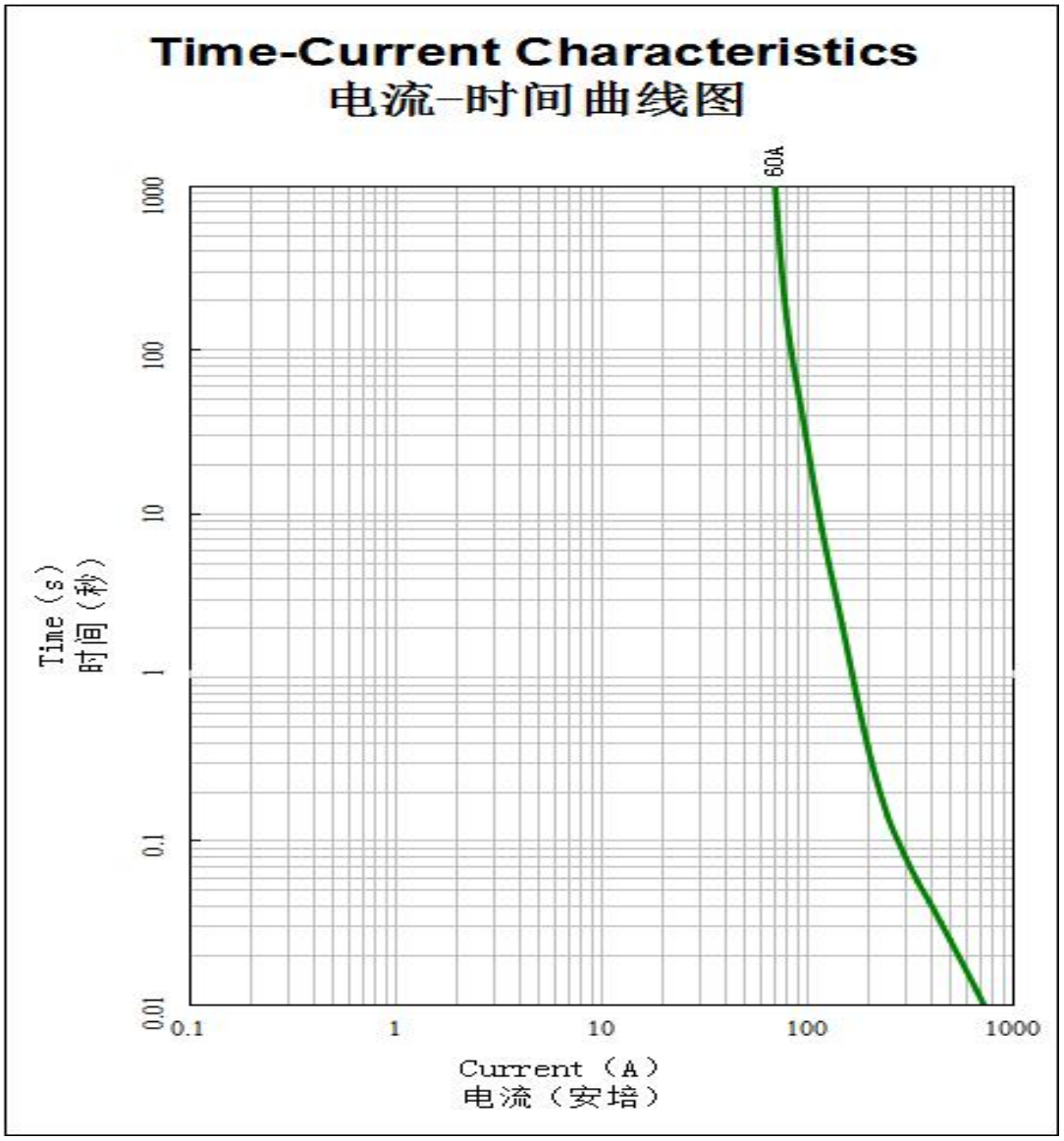
8.2 防潮湿试验 Moisture Resistance Test
MIL-STD-202G, Method 106G。

8.3 振动试验 Vibration Test
MIL-STD-202G, Method 201A。

8.4 可焊性试验 Solderability Test
MIL-STD-202G, Method 208H, IEC60127-2, IEC60068-2。

8.5 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 subtain 3KG thrust after tin.

9. 时间-电流曲线图 Time-Current Curve



10. 焊锡参数 Soldering Parameters

10.1 回流焊 Reflow Slodering

10.1.1 温度 Temperature 260℃

10.1.2 时间 Time ≤10 seconds

11. 包装 Packing

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

10.2 胶盘用 PE 骨袋包装。The rubber tray is packed in a PE bag.

Fuses, Supplemental - Component

COMPANY

SHENZHEN LANSON ELECTRONICS CO., LTD.
812A, Building A, Shenzhen Zhihui Innovation Center
Hangcheng Industrial Zone, Taoyuan Community, Xixiang Street, Baoan District
Shenzhen, Guangdong 518100 China

E221465

Marking: Company name and model designation.
Note: For additional marking information, refer to the Guide Information Page.

View model for additional information

Supplemental fuses, Model(s): 5D, 5F, 5K, 5M, 5T, 6N, 6S, AFN, SRT

Supplemental fuses: cartridge enclosed, Model(s): 5J, 6E

Supplemental fuses: filled-tube, Model(s): 6HV, 6HT

Supplemental fuses: filled-tube, cartridge enclosed, Model(s): 5HV, 5HT

Supplemental fuses: pigtail leads, Model(s): 4D, 4E, 5G, 5H

Supplemental fuses: pigtail leads, cartridge enclosed, Model(s): 3F, 5J(P), 6E(P)

Supplemental fuses: pigtail leads, filled-tube, Model(s): 6HV(P)

Supplemental fuses: pigtail leads, filled-tube, cartridge enclosed, Model(s): 5HV(P)

Supplemental fuses: pigtail leads, time delay, Model(s): SBT

Supplemental fuses: pigtail leads, time delay, cartridge enclosed, Model(s): 3N

Supplemental fuses: pigtail leads, time delay, filled-tube, cartridge enclosed, Model(s): 5N(P)

Supplemental fuses: time delay, filled-tube, cartridge enclosed, Model(s): 5N

Supplemental fuses: time delay, filled-tube, surface mount, cartridge enclosed, Model(s): 52E, 52S, 52T

Supplemental micro fuses, Model(s): 06H, 12B, 12T

Supplemental micro fuses: filled-tube, Model(s): SNT

Supplemental micro fuses: pigtail leads, Model(s): 3J, 3K, 3NT, 3T, SET, SPT, SQT

Supplemental micro fuses: pigtail leads, filled-tube, Model(s): 3R

Supplemental micro fuses: pigtail leads, time delay, filled-tube, Model(s): SMT

Supplemental micro fuses: surface mount, Model(s): 12D, 12H

Supplemental micro fuses: surface mount, Model(s): SCP followed by 30A, 45A or 60A followed by 1K, 3K, 4K, 5K, 6K, 9K, 12K or 15K, followed by one or two alphanumeric characters.

Supplemental micro fuses: surface mount, Model(s): SCP30A#H& - Where #:3-14,&:Customer code,maybe followed by symbol "-" and up to alphanumeric characters denoting customer code of 0-9 or A-Z

Supplemental micro fuses: surface mount, cartridge enclosed, Model(s): 24E, 24F, 32E

Supplemental micro fuses: surface mount, cartridge enclosed, Model(s): SCP@#J& "@" represents rated current, "#" represents one or two digits, "#" maybe 1~4 when "@" was 12A, "#" maybe 1~14 when "@" was 15A, "&" represents customer code?maybe followed by symbol "-" and up to two alphanumeric characters denoting customer code of 0-9 or A-Z.

Last Updated on 2025-06-02

并不是所有出现在本数据库中的公司名称和产品都满足了UL 跟踪检验服务的要求。只有带有 UL 标志的产品，才应该被视为经过UL认证，并满足UL 跟踪检验服务的要求。注意查看产品上的标志。

UL 允许在线认证目录中所含材料的复制遵循以下条件：1.指南信息、装配、构造、设计、系统和/或认证（文件）必须在不篡改任何数据（或图纸）的情况下完整且无误导性地呈现。2."经 UL 允许从在线认证目录转载"声明必须出现在所摘取材料的邻近位置。此外，转载材料必须包含以下格式的版权声明： "©2025 UL LLC."

Fuses, Supplemental Certified for Canada - Component

COMPANY

SHENZHEN LANSON ELECTRONICS CO., LTD.
812A, Building A, Shenzhen Zhihui Innovation Center
Hangcheng Industrial Zone, Taoyuan Community, Xixiang Street, Baoan District
Shenzhen, Guangdong 518100 China

E221465

Marking: Company name model designation, and the Recognized Component Mark for Canada
Note: For additional marking information, refer to the Guide Information Page.

View model for additional information

Supplemental fuses, Model(s): 5D, 5F, 5K, 5M, 5T, 6N, 6S, AFN, SRT

Supplemental fuses: cartridge enclosed, Model(s): 5J, 6E

Supplemental fuses: filled-tube, Model(s): 6HV, 6HT

Supplemental fuses: filled-tube, cartridge enclosed, Model(s): 5HV, 5HT

Supplemental fuses: pigtail leads, Model(s): 4D, 4E, 5G, 5H

Supplemental fuses: pigtail leads, cartridge enclosed, Model(s): 3F, 5J(P), 6E(P)

Supplemental fuses: pigtail leads, filled-tube, Model(s): 6HV(P)

Supplemental fuses: pigtail leads, filled-tube, cartridge enclosed, Model(s): 5HV(P)

Supplemental fuses: pigtail leads, time delay, Model(s): SBT

Supplemental fuses: pigtail leads, time delay, cartridge enclosed, Model(s): 3N

Supplemental fuses: pigtail leads, time delay, filled-tube, cartridge enclosed, Model(s): 5N(P)

Supplemental fuses: time delay, filled-tube, cartridge enclosed, Model(s): 5N

Supplemental fuses: time delay, filled-tube, surface mount, cartridge enclosed, Model(s): 52E, 52S, 52T

Supplemental micro fuses, Model(s): 06H, 12B, 12T

Supplemental micro fuses: filled-tube, Model(s): SNT

Supplemental micro fuses: pigtail leads, Model(s): 3J, 3K, 3NT, 3T, SET, SPT, SQT

Supplemental micro fuses: pigtail leads, filled-tube, Model(s): 3R

Supplemental micro fuses: pigtail leads, time delay, filled-tube, Model(s): SMT

Supplemental micro fuses: surface mount, Model(s): 12D, 12H

Supplemental micro fuses: surface mount, Model(s): SCP followed by 30A, 45A or 60A followed by 1K, 3K, 4K, 5K, 6K, 9K, 12K or 15K, followed by one or two alphanumeric characters.

Supplemental micro fuses: surface mount, Model(s): SCP30A#H& - Where #:3-14,&:Customer code,maybe followed by symbol "-" and up to alphanumeric characters denoting customer code of 0-9 or A-Z

Supplemental micro fuses: surface mount, cartridge enclosed, Model(s): 24E, 24F, 32E

Supplemental micro fuses: surface mount, cartridge enclosed, Model(s): SCP@#J& "@" represents rated current, "#" represents one or two digits, "#" maybe 1~4 when "@" was 12A, "#" maybe 1~14 when "@" was 15A, "&" represents customer code?maybe followed by symbol "-" and up to two alphanumeric characters denoting customer code of 0-9 or A-Z.

Last Updated on 2025-06-02

并不是所有出现在本数据库中的公司名称和产品都满足了UL 跟踪检验服务的要求。只有带有 UL 标志的产品，才应该被视为经过UL认证，并满足UL 跟踪检验服务的要求。注意查看产品上的标志。

UL 允许在线认证目录中所含材料的复制遵循以下条件：1.指南信息、装配、构造、设计、系统和/或认证（文件）必须在不篡改任何数据（或图纸）的情况下完整且无误导性地呈现。2."经 UL 允许从在线认证目录转载"声明必须出现在所摘取材料的邻近位置。此外，转载材料必须包含以下格式的版权声明： "©2025 UL LLC."