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: 45E (RoHS Compliant) 80A 250V

料 号：
PART NO.: 45E2800A

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

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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

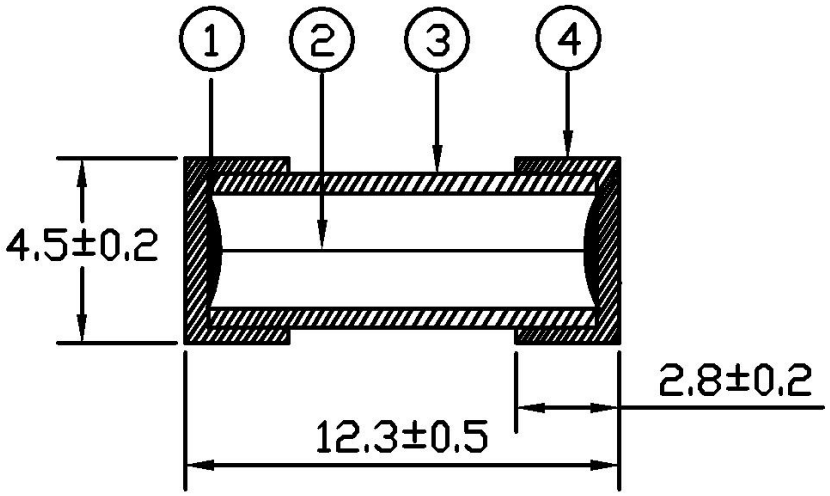
2.1 执行标准 Standard: UL248-1、UL248-14

2.2 认证 Certification

认证 Certification	认证范围 Scope of Certification	证书编号 Certification No.
UL	100mA~100A	E497570
TUV	10A-100A	J50733349

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)



3.2 原材料明细 Material Detail

编号 No.	零件名称 Part Name	材质 Material
①	焊锡 Solder	含铅高温焊锡/ Pb Contained high-temperature solder
②	熔丝 Fuse element	纯银带/Sterling Silver Belt
③	陶瓷管 Ceramic tube	陶瓷 Ceramic
④	端帽 End cap	黄铜表面镀金 Gold plated brass

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 80A

5．型号说明 Model explain

「EX」例： 45E 2 800 A

1 2 3 4

1) 45E: 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) 800: 额定电流值为 80 安培
Ampere Rating 80A
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:

额定电流 Ampere Ratings (A)	额定电压 Voltage Rating (V)		额定分断能力 Interrupting Rating (A)	
	AC	DC	AC	DC
0.04-5 A	300V/350V/400V / 500V/600V	300V/350V/400V / 500V/600V	100A	100A
0.04-100 A	125V/250V	125V/250V	300A	300A
	-	72V/63V/32V	-	1500A

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. 焊锡参数 Soldering Parameters

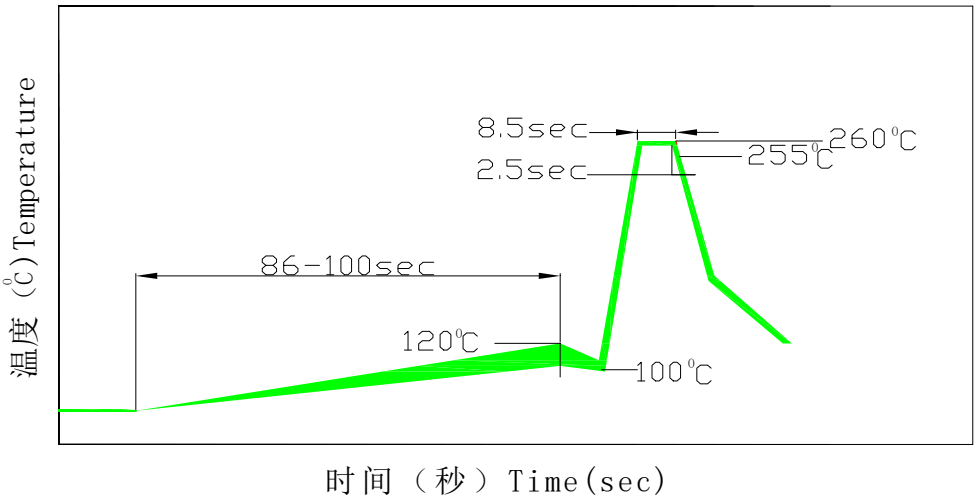
9.1 回流焊 Reflow Slodering

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

9.1.4 焊锡温度曲线图 Soldering Profile

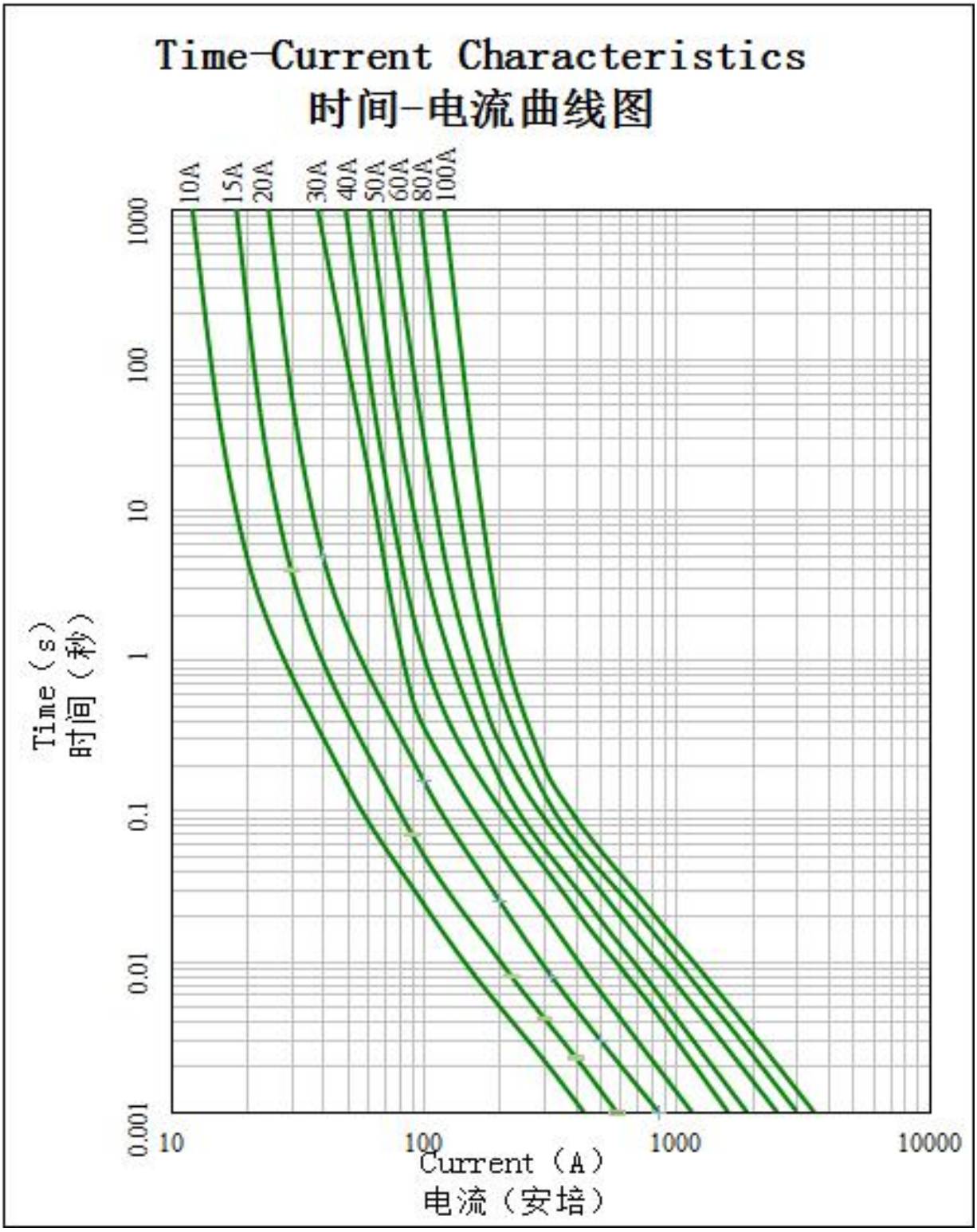


10. 包装 Packing

10.1 自动机器包装 1500PCS/卷。Automaton taped 1500PCS per reel.

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

附页 attachment



UL Product iQ®

Note: We are in the process of updating the system and you may notice missing/outdated data. During this transition period, please refer to your Certificate of Compliance or contact the Customer Service Center on your https://www.ul.com/about/locations.

Special-purpose Fuses - 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

E497570

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

View model for additional information

Model(s): 45E

Fuse for protection of semiconductor device, Model(s): BS88-240, LMT or EV200

Fuse for protection of semiconductor device, Model(s): 3EV followed by 750, 700, 600 or 500, followed by blank, followed by 5A - 50A, followed by blank, followed by 500V, 600V, 700V or 750V, followed by AC or DC.

Fuse for protection of semiconductor device, Model(s): BS88-690, followed by blank, followed by 50A - 400A, followed by blank, followed by 500V, 600V, 690V, 700V or 750V, followed by DC or AC

Fuse for protection of semiconductor device, Model(s): BS88-690, followed by blank, followed by 5A - 100A, followed by blank, followed by 500V, 600V, 690V, 700V or 750V, followed by DC or AC

Fuse for protection of semiconductor device, Model(s): EV followed by 750, 700, 600 or 500, followed by blank, followed by 50A - 400A, followed by blank, followed by 500V, 600V, 690V, 700V or 750V, followed by DC or AC.

Fuse for protection of semiconductor device, Model(s): EV followed by 750, 700, 600 or 500, followed by blank, followed by 5A - 50A, followed by blank, followed by 500V, 600V, 700V or 750V, followed by AC or DC.

Fuse for protection of semiconductor device, Model(s): EV followed by 750, 700, 600 or 500, followed by blank, followed by 5A - 100A, followed by blank, followed by 500V, 600V, 690V, 700V or 750V, followed by DC or AC.

Fuse for protection of semiconductor device, Model(s): EV14 followed by -, followed by 5-50, followed by A,C,F or P, followed by blank, followed by 5A - 50A, followed by blank, followed by 500V, 600V, 700V or 750V, followed by AC or DC.

Fuse for protection of semiconductor device, Model(s): EV18 followed by -, followed by 5-100, followed by A or B, followed by blank, followed by 5A - 100A, followed by blank, followed by 500V, 600V, 690V, 700V or 750V, followed by DC or AC.

Fuse for protection of semiconductor device, Model(s): EV40 followed by -50-400, followed by A,B,C,D,E or F, followed by blank, followed by 50A - 400A, followed by blank, followed by 500V, 600V, 690V, 700V or 750V, followed by DC or AC.

Fuse for protection of semiconductor device, Model(s): HCT, followed by blank, followed by 5A - 100A, followed by blank, followed by 500V, 600V, 690V, 700V or 750V, followed by DC or AC

Fuse for protection of semiconductor device, Model(s): HMT, followed by blank, followed by 50A - 400A, followed by blank, followed by 500V, 600V, 690V, 700V or 750V, followed by DC or AC

Fuse for protection of semiconductor device, Model(s): NEV followed by blank, followed by 35A - 500A, followed by blank, followed by 400V, 500V, 600V or 700V, followed by DC or AC.

JFHR2/8, Model(s): HCM

Last Updated on 2025-02-13

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Special-purpose Fuses 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

E497570

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

Model(s): 45E

Fuse for protection of semiconductor device, Model(s): BS88-240, LMT or EV200

Fuse for protection of semiconductor device, Model(s): 3EV followed by 750, 700, 600 or 500, followed by blank, followed by 5A - 50A, followed by blank, followed by 500V, 600V, 700V or 750V, followed by AC or DC.

Fuse for protection of semiconductor device, Model(s): BS88-690, followed by blank, followed by 50A - 400A, followed by blank, followed by 500V, 600V, 690V, 700V or 750V, followed by DC or AC

Fuse for protection of semiconductor device, Model(s): BS88-690, followed by blank, followed by 5A - 100A, followed by blank, followed by 500V, 600V, 690V, 700V or 750V, followed by DC or AC

Fuse for protection of semiconductor device, Model(s): EV followed by 750, 700, 600 or 500, followed by blank, followed by 50A - 400A, followed by blank, followed by 500V, 600V, 690V, 700V or 750V, followed by DC or AC.

Fuse for protection of semiconductor device, Model(s): EV followed by 750, 700, 600 or 500, followed by blank, followed by 5A - 50A, followed by blank, followed by 500V, 600V, 700V or 750V, followed by AC or DC.

Fuse for protection of semiconductor device, Model(s): EV followed by 750, 700, 600 or 500, followed by blank, followed by 5A - 100A, followed by blank, followed by 500V, 600V, 690V, 700V or 750V, followed by DC or AC.

Fuse for protection of semiconductor device, Model(s): EV14 followed by -, followed by 5-50, followed by A,C,F or P, followed by blank, followed by 5A - 50A, followed by blank, followed by 500V, 600V, 700V or 750V, followed by AC or DC.

Fuse for protection of semiconductor device, Model(s): EV18 followed by -, followed by 5-100, followed by A or B, followed by blank, followed by 5A - 100A, followed by blank, followed by 500V, 600V, 690V, 700V or 750V, followed by DC or AC.

Fuse for protection of semiconductor device, Model(s): EV40 followed by -50-400, followed by A,B,C,D,E or F, followed by blank, followed by 50A - 400A, followed by blank, followed by 500V, 600V, 690V, 700V or 750V, followed by DC or AC.

Fuse for protection of semiconductor device, Model(s): HCT, followed by blank, followed by 5A - 100A, followed by blank, followed by 500V, 600V, 690V, 700V or 750V, followed by DC or AC

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Fuse for protection of semiconductor device, Model(s): NEV followed by blank, followed by 35A - 500A, followed by blank, followed by 400V, 500V, 600V or 700V, followed by DC or AC.

JFHR2/8, Model(s): HCM

Last Updated on 2025-02-13

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mit überwachter Konformität

Certificate
of surveyed conformity

TÜVRheinland®

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J 50733349

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0001

Ihr Zeichen *Client Reference*	**Unser Zeichen** *Our Reference*	**Ausstellungsdatum**	*Date of Issue*
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Taoyuan Community, Xixiang St, Baoan
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P.R. China

Fertigungsstätte ***Manufacturing Plant***
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Zhongkai District,
Huizhou,
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P.R. China

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EN IEC 60127-1:2024 EN 60127-7:2016
IEC 60127-1:2023 IEC 60127-7:2015

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

(Miniature fuse-links)

Type Designation	: 45E	12
Trademark	: LANSON (logo)	
Rated Voltage (Un)	: AC 125V/250V; DC 63V/72V/125V/250V	
Rated Current (In)	: 1) 10A, 20A, 30A, 40A, 48A, 50A 60A, 70A 2) 80A, 100A	
Time/Current Characteristic	: 2.0In: ≤ 120s 10.0In: ≤ 0.2s	
Breaking Capacity	: 1) 300A @ AC or DC 125V/250V 1500A @ DC 63V/72V 2) 300A @ AC or DC 125V/250V 1000A @ DC 63V/72V	
Dimension	: 4.5mm × 12.3mm	

12

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle

Zertifizierungsstelle

Sarah Chen

Sarah Chen

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