

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

型号规格:

MODEL DETAIL: 12H (RoHS Compliant) 1.5A 63V 抗浪涌型(High Inrush Current Withstand)

料号:

PART NO.: 12H1150C

供应商:

深圳市良胜电子有限公司

惠州市良胜电子有限公司

SUPPLIER:

SHENZHEN LANSON ELECTRONICS CO., LTD.

HUIZHOU LANSON ELECTRONICS CO., LTD.

地址:

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

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SUPPLIER:

CUSTOMER:

日期:

日期:

DATE: 2025.01.20

DATE:



SHENZHEN LANSON ELECTRONICS CO., LTD.	PRODUCT	EDITION NO.	A/6
	SPECIFICATION	FILE NO.	LS/C-005-34
	MODEL: 12H	PAGE	PAGE 1 OF 4

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

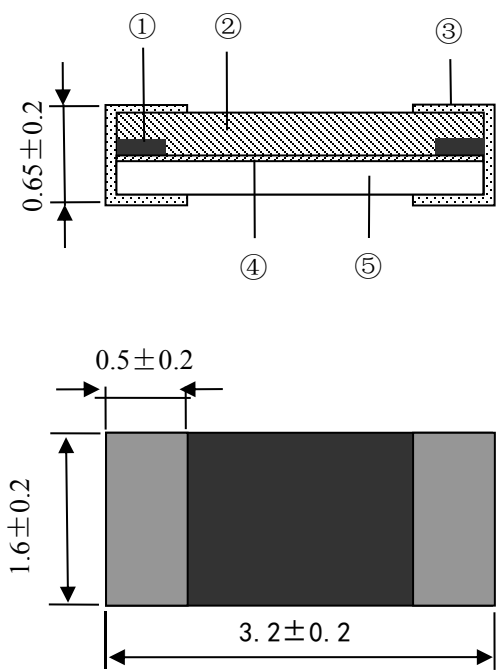
2.1 执行标准 Standard: UL248-1、UL248-14

2.2 认证 Certification

认证 Certification	认证范围 Scope of Certification	证书编号 Certification No.
UL	100mA~30A	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)



3.2 原材料明细 Material Detail

编号 No.	零件名称 Part Name	材质 Material
①	电极 Electrode	银 Silver
②	涂层 Coating	玻璃浆 Glass cover
③	端头 End Termination	镀银 Silver plated
④	熔丝 Fuse element	银 Silver
⑤	基片 Substrate	陶瓷 Ceramic

SHENZHEN LANSON ELECTRONICS CO., LTD.	PRODUCT	EDITION NO.	A/6
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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:

额定电流 Ampere Rating	产品标示 Marking
1A	H
1.5A	K
2A	N
2.5A	O
3A	P
3.5A	R
4A	S
5A	T
6A	F
7A	7
8A	V
10	U
12A	W
15A	Y
20A	Q
25A	L
30A	Z

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 Ampere Rating	额定电流的% % of Ampere Rating	熔断时间 Opening Time
1A~5A	100%	4 hours Min(大于 4 小时)
1A~5A	250%	5 S Max(小于 5 秒)
1A~5A	300%	0.1 S~3 S
1A~5A	1000%	0.2 ms~20 ms
6A~30A	100%	4 hours Min(大于 4 小时)
6A~30A	350%	5 S Max(小于 5 秒)

5.3 额定分断能力:

Interrupting Rating:

50 Amperes at 63V DC (100mA~5A)

100 Amperes at 32V DC (6A~10A)

300 Amperes at 24V DC (12A~30A)

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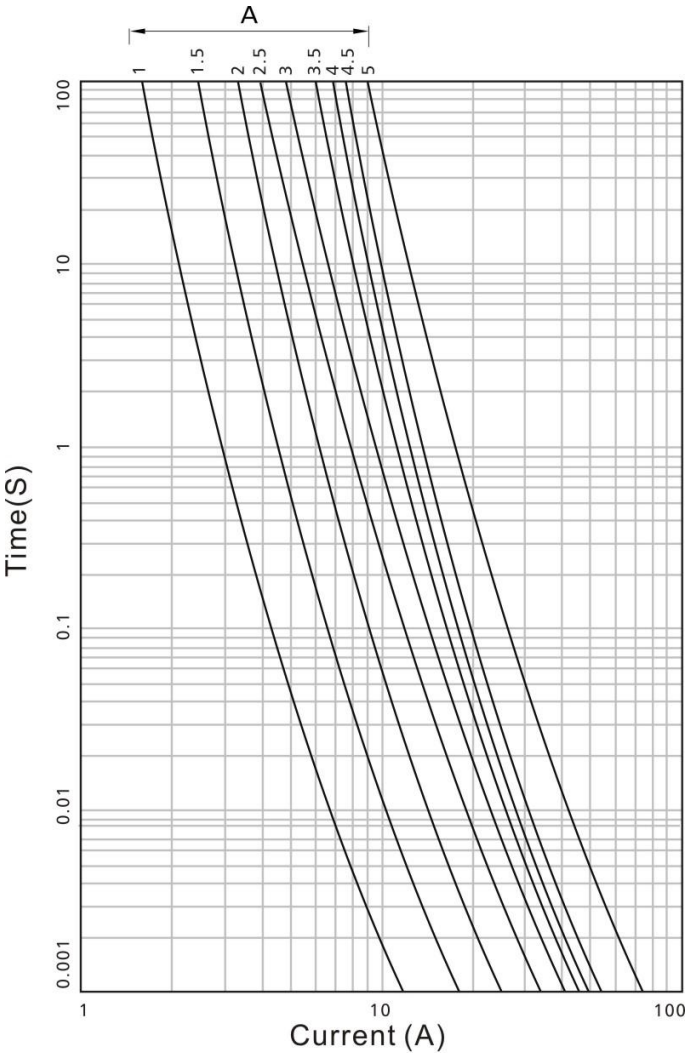
6. 环境特性 Environmental Characteristics

- 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。

8. 时间-电流曲线图 Time-Current Curve



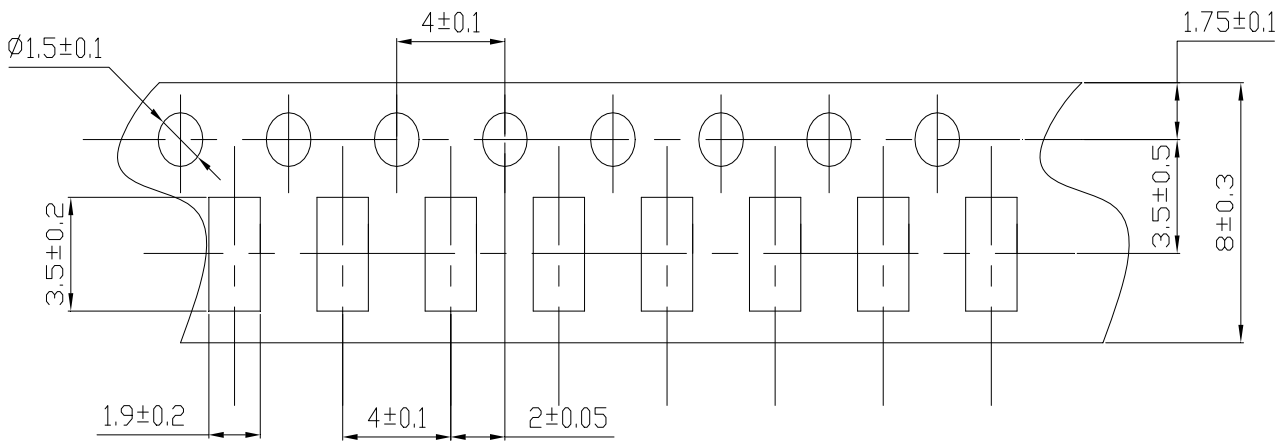
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9. 焊锡参数 Soldering Parameters

- 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
- 9.2 手工焊锡 Hand Soldering
 - 9.2.1 温度 Temperature 380℃
 - 9.2.2 时间 Time ≤3 seconds

10. 包装 Packing

- 10.1 自动机器包装 3000PCS/卷。Automaton taped 3000PCS per reel.
- 10.2 包装尺寸 Packing Size (unit: mm)





JDYX2.E221465 - Fuses, Supplemental - Component

Fuses, Supplemental - Component

SHENZHEN LANSON ELECTRONICS CO LTD

E221465

A18TH BLDG

3 INDUSTRIAL ZONE

FUQIAO FUYONG TOWN, BAO'AN DISTRICT

SHENZHEN, GUANGDONG 518133 China

Cat. No.	Size mm(in)	Amps (A)	Volts (V)	Interrupting Rating (A)
Supplemental fuses				
5D	5.2 x 20 (0.20 x 0.79)	4-7	125Vac	100
		4-7	250Vac	100
		8-10	125Vac	100
		8-10	250Vac	100
5F	5.2 x 20 (0.20 x 0.79)	0.125-0.315	125Vac	35
		0.125-0.315	250Vac	35
		0.4-0.8	125Vac	35
		0.4-0.8	250Vac	35
		1-6.3	125Vac	35
		1-6.3	250Vac	35
5K	5.2 x 20 (0.20 x 0.79)	0.2-0.8	125Vac	35
		0.2-0.8	250Vac	35
		1-6.3	125Vac	63
		1-6.3	250Vac	63
		8-15	125Vac	50
		8-15	250Vac	50
5M	5.2 x 20 (0.20 x 0.79)	0.5-0.8	250Vac	1500
		1.0-3.15	250Vac	1500

12H	3.2 x 1.6 x 0.65 (0.13 x 0.06 x 0.03)	0.1-5	125Vac	50
		0.1-5	125Vdc	50
		0.1-5	63Vdc	50
		6-10	32Vdc	100
		12-30	24Vdc	300
Supplemental micro fuses: surface mount, cartridge enclosed				
24E	6.1 x 2.6 x 2.6 (0.24 x 0.10 x 0.10)	0.1-20	350Vac	50
		0.1-20	300Vac	50
		0.1-20	250Vac	50
		0.1-20	125Vac	50
		0.1-20	125Vdc	50
24F	6.1 x 2.6 x 2.6 (0.24 x 0.10 x 0.10)	0.1-7	125Vac	50
		0.1-7	250Vac	50
		0.1-7	125Vdc	50
32E	10.25 x 3.2 x 3.2 (0.40 x 0.13 x 0.13)	0.05-60	250Vac	100
		0.05-60	125Vac	100
		0.05-60	100Vdc	600
		0.05-60	72Vdc	600
		0.05-60	60Vdc	600
		0.05-60	32Vdc	1000

Marking: Company name and model designation.

Last Updated on 2022-02-09

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JDYX8.E221465 - Fuses, Supplemental Certified for Canada - Component

Fuses, Supplemental Certified for Canada - Component

SHENZHEN LANSON ELECTRONICS CO LTD

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FUQIAO FUYONG TOWN, BAO'AN DISTRICT

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		0.125-0.315	250Vac	35
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		0.4-0.8	250Vac	35
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5K	5.2 x 20 (0.20 x 0.79)	0.2-0.8	125Vac	35
		0.2-0.8	250Vac	35
		1-6.3	125Vac	63
		1-6.3	250Vac	63
		8-15	125Vac	50
		8-15	250Vac	50
5M	5.2 x 20 (0.20 x 0.79)	0.5-0.8	250Vac	1500

12H	3.2 x 1.6 x 0.65 (0.13 x 0.06 x 0.03)	0.1-5	125Vac	50
		0.1-5	125Vdc	50
		0.1-5	63Vdc	50
		6-10	32Vdc	100
		12-30	24Vdc	300
Supplemental micro fuses: surface mount, cartridge enclosed				
24E	6.1 x 2.6 x 2.6 (0.24 x 0.10 x 0.10)	0.1-20	350Vac	50
		0.1-20	300Vac	50
		0.1-20	250Vac	50
		0.1-20	125Vac	50
		0.1-20	125Vdc	50
24F	6.1 x 2.6 x 2.6 (0.24 x 0.10 x 0.10)	0.1-7	125Vac	50
		0.1-7	250Vac	50
		0.1-7	125Vdc	50
32E	10.25 x 3.2 x 3.2 (0.40 x 0.13 x 0.13)	0.05-60	250Vac	100
		0.05-60	125Vac	100
		0.05-60	100Vdc	600
		0.05-60	72Vdc	600
		0.05-60	60Vdc	600
		0.05-60	32Vdc	1000

Marking: Company name, model designation and the Recognized Component Mark for Canada,



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