

SHENZHEN LANSON ELECTRONICS CO.,LTD.	PRODUCT	EDITION NO.	A/8
	SPECIFICATION	FILE NO.	LS/C- 005-32
	MODEL: 6N	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.

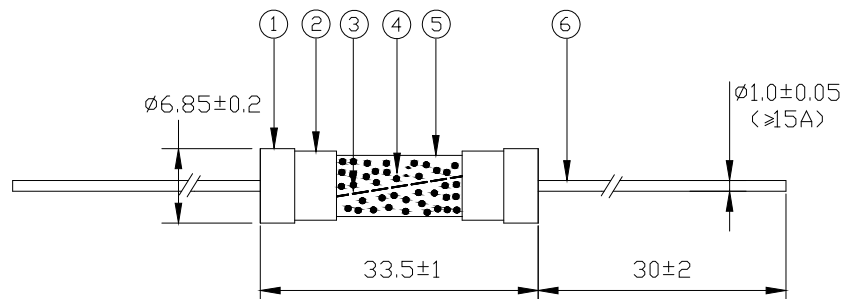
### 2. 相关标准及认证 Relevant Standards and Certification

2.1 执行标准 Standard: UL248-1 UL248-14

2.2 认证 Certification:

额定电压 Voltage rating	UL		CUL	
	认证范围 Scope of Certification	证书编号 Certification No.	认证范围 Scope of Certification	证书编号 Certification No.
125V	100mA~30A	E221465	100mA~30A	E221465
250V	100mA~30A	E221465	100mA~30A	E221465

### 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	端帽 End cap	黄铜表面镀镍 Nickel plated brass
②	内帽 Inner cap	黄铜表面镀镍 Nickel plated brass
③	熔丝 Fuse element	合金线 Alloy
④	填充物 Filling	硅砂 SiO <sub>2</sub>
⑤	陶瓷管 Ceramic Tube	陶瓷 Ceramic
⑥	引线 Lead wire	镀锡铜线 Tinned copper wire

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## 5. 标示 Marking

保险丝两端铜帽上应印有下列标示： The fuse shall have the following marking：

A 帽：额定电流+额定电压

A cap: Ampere rating + Voltage rating

15A                  250V

B 帽：良胜型号+良胜标志+认证符号

B cap: Lanson's model + Lanson's logo + Approved Symbol

6N



## 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 conditions

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

10000 安培在 125 伏交流电压条件下。

10000 amperes at 125V AC.

35 安培在 250 伏交流电压条件下(500mA~1A)。

35 amperes at 250V AC(500mA~1A).

100 安培在 250 伏交流电压条件下(1.25A~3.5A)。

100 amperes at 250V AC(1.25A~3.5A).

200 安培在 250 伏交流电压条件下(4A~10A)。

200 amperes at 250V AC(4A~10A).

750 安培在 250 伏交流电压条件下(12A~30A)。

750 amperes at 250V AC(12A~30A).

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### 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不得超过 75℃。

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 rising on the fuse surface is not higher than 75℃.

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

### 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
135%	1 hour Max
200%	120 sec Max
1000%	10ms Min

### 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 100PCS/小袋、4小袋/内盒、10内盒/外箱(实际装箱依客户订单)。

100 fuses per plastic bag, 4 plastic bags per inner box, 10 inner boxes per external carton.

(The actual case in accordance with the customer order)

10.2 产品符合 RoHS 环保指令

The product is compliant with RoHS Directive

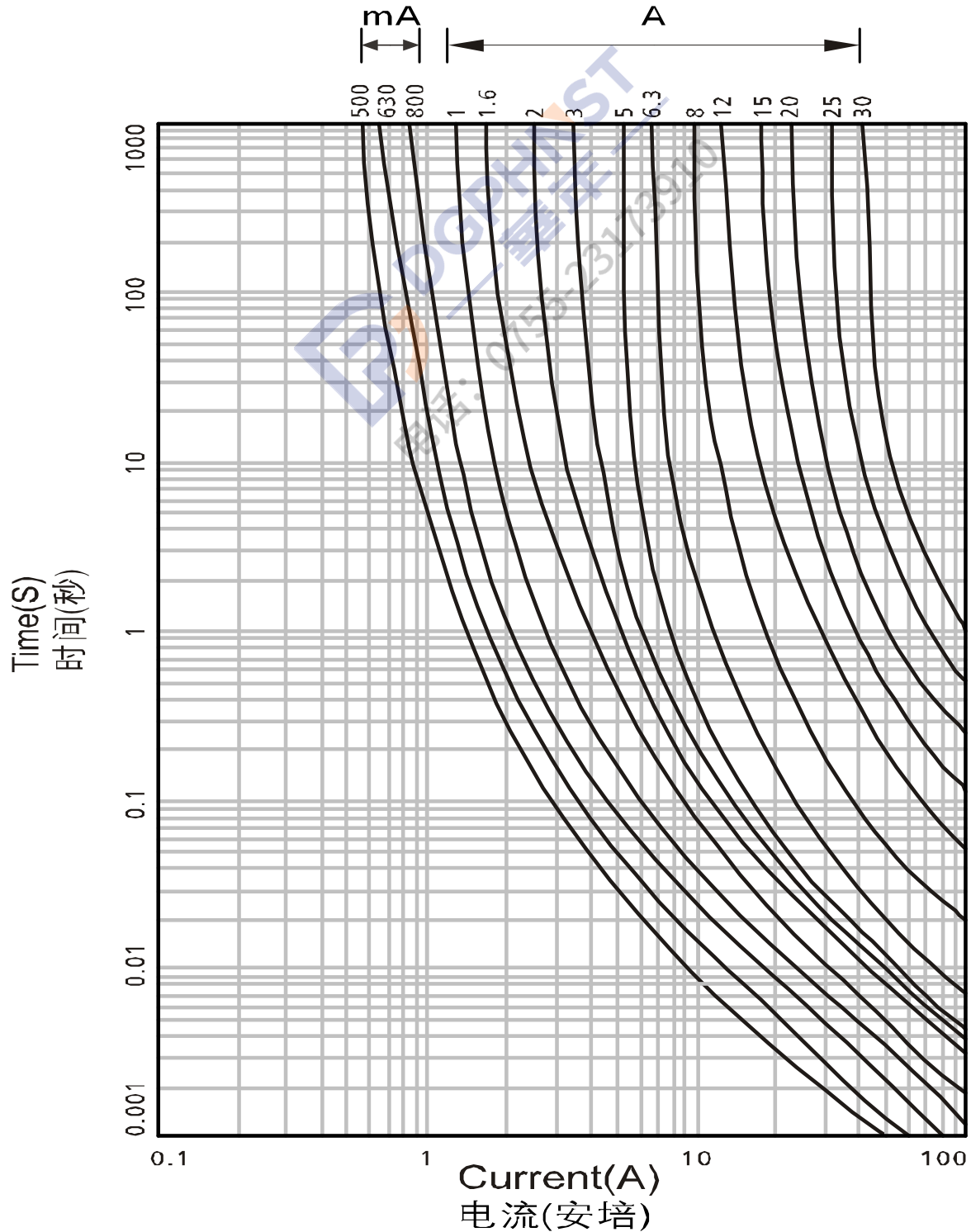
附：承认书后附安规证书及环保报告

Appendix: The specification attached safety certificate and RoHS directive test report.

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附页 attachment

## Time-Current Characteristics 电流-时间曲线图



# JDYX2.E221465 - Fuses, Supplemental - Component

## Fuses, Supplemental - Component

**SHENZHEN LANSON ELECTRONICS CO LTD**

A18TH BLDG  
3 INDUSTRIAL ZONE  
FUQIAO FUYONG TOWN, BAO'AN DISTRICT  
SHENZHEN, GUANGDONG 518133 China

E221465

Cat. No.	Size mm(in)	Amps (A)	Volts (V)	Interrupting Rating (A)
<b>Supplemental fuses</b>				
<b>5D</b>	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
<b>5F</b>	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
<b>5K</b>	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
<b>5M</b>	5.2 x 20 (0.20 x 0.79)	0.5-0.8	250Vac	1500
		1.0-3.15	250Vac	1500

		4.0-6.3	250Vac	1500
<b>5T</b>	5.2 x 20 (0.20 x 0.79)	0.25-3.15	250Vac	1500
		4-6.3	250Vac	1500
<b>6N</b>	-	12-30	125Vac	10000
		12-30	250Vac	750
<b>6S</b>	-	4-10	250Vac	100
<b>SRT</b>	8.35 x 7.2 (0.33 x 0.28)	0.25-3.15	250Vac	35
		4-4	250Vac	40
		6.3-6.3	250Vac	63
<b>Supplemental fuses: pigtail leads, cartridge enclosed</b>				
<b>3N</b>	4 x 11 (0.16 x 0.43)	0.1-3.15	250Vac	35
		4.0-5.0	250Vac	50
		6.3-6.3	250Vac	63
		8-10	125Vac	100
		8-10	250Vac	100
<b>Supplemental fuses: pigtail leads, filled-tube</b>				
<b>6HV(P)</b>	6.85 x 33 (0.27 x 1.30)	0.1-40	250Vac	1500
		0.1-40	660Vac	1000
		0.1-40	600Vdc	10000
		0.1-40	1000Vdc	10000
		0.1-40	660Vdc	1000
<b>Supplemental fuses: cartridge enclosed</b>				
<b>5J</b>	5.2 x 20 (0.20 x 0.79)	0.1-15	250Vac	100
		0.1-6.3	250Vac	63
		0.1-3.15	250Vac	35
<b>6E</b>	-	12-30	125Vac	150
		12-30	250Vac	150
<b>Supplemental fuses: filled-tube</b>				

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

## Fuses, Supplemental Certified for Canada - Component

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3 INDUSTRIAL ZONE  
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		8-10	250Vac	100
<b>5F</b>	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
<b>5K</b>	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
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<b>5M</b>	5.2 x 20 (0.20 x 0.79)	0.5-0.8	250Vac	1500

		1.0-3.15	250Vac	1500
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<b>5T</b>	5.2 x 20 (0.20 x 0.79)	0.25-3.15	250Vac	1500
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<b>6N</b>	-	12-30	125Vac	10000
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<b>SRT</b>	8.35 x 7.2 (0.33 x 0.28)	0.25-3.15	250Vac	35
		4-4	250Vac	40
		6.3-6.3	250Vac	63
<b>Supplemental fuses: pigtail leads, cartridge enclosed</b>				
<b>3N</b>	4 x 11 (0.16 x 0.43)	0.1-3.15	250Vac	35
		4.0-5.0	250Vac	50
		6.3-6.3	250Vac	63
		8-10	125Vac	100
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