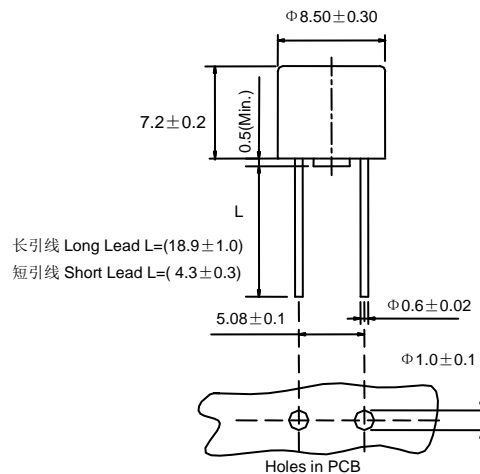
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3. 公司地址/ ADDRESS

中国福建省厦门市湖里区枋湖路 9-19 号。
NO.9-19 FANGHU ROAD, HULI, XIAMEN, FUJIAN, CHINA.

4. 构造图/ CONSTRUCTION FIG. & DIMENSION



4.1 原材料规格/ MATERIAL

品名 PART	材料 MATERIAL	备注 REMARK
圆形塑料帽 Round Thermoplastic Cap	工程塑料 Thermoplastic	棕色 Mahogany
底座 Base	工程塑料 Thermoplastic	黑色 Black
引线 Lead	镀锡铜线 Tin Plated Copper Wire	/
焊锡 Solder	无铅 Pb Free	/
可熔体 Fusible Element	玻璃纤维线 Glass Fiber + 金属丝 Metal Wire	/

4.2 圆形塑料帽/ ROUND THERMOPLASTIC CAP

圆形塑料帽无破裂、缺损或污染等现象。

Round thermoplastic cap shall have no defects such as crack, injury and contamination.

4.3 塑料件阻燃性能/ FLAMMABILITY CLASSIFICATION: UL 94V-0.

5. 机械特性/ MECHANICAL PERFORMANCES

保险丝应能承受下列二项试验。Fuse shall withstand the following two tests.

5.1 拉力试验/ TENSILE TEST

将保险丝保持在一个固定的位置，沿引线方向施加 10N 的拉力，引线、圆形塑料帽不能松动并且圆形塑料帽不应破裂。When fuse is fixed and the tensile force 10N is applied in a direction to lead, no looseness of leads and round thermoplastic cap or damage of round thermoplastic cap shall occur.

5.2 推力试验/ THRUST TEST

将保险丝保持在一个固定的位置，沿引线方向施加 2N 的推力，引线、圆形塑料帽不能松动并且圆形塑料帽不应破裂。When fuse is fixed and the thrust 2N is applied in a direction to lead, no looseness of leads and round thermoplastic cap or damage of round thermoplastic cap shall occur.

6. 电气特性/ ELECTRICAL PERFORMANCES

6.1 测试条件/ TEST CONDITIONS

A.全部测试条件都应在环境温度 $24^{\circ}\text{C} \pm 3^{\circ}\text{C}$ 条件下进行，在此期间温度变化不允许达到 $+5^{\circ}\text{C}$ 和到极限范围。All electrical tests are conducted at a ambient temperature of $24 \pm 3^{\circ}\text{C}$. The ambient temperature is not allowed to vary more than 5°C during the test, and must be within these limits.

B.每个保险丝支架，水平安装在非导电的胶木测试板上，以便被测的保险丝在测试板上能保持水平。Each

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fuse-holder is to be mounted horizontally on a test board of non-conducting bakelite, so that each fuse under test is held in a horizontal position above the board.

6.2 电压降、平均 I²T 值(供参考)、最大持续功耗/ VOLTAGE DROP, AVERAGE I²T VALUE(FOR REFERENCE ONLY) And MAXIMUM SUSTAINED DISSIPATION

额定电流 Rated Current	1.0I _n 最大电压降 1.0I _n VOLTAGE DROP Max.(mV)	平均 I ² T 值/ Average I ² T Value(A ² · s ec.)	1.5I _n 最大持续功耗 1.5I _n Maximum Sustained Dissipation (mW)	额定电流 Rated Current	1.0I _n 最大电压降 1.0I _n VOLTAGE DROP Max.(mV)	平均 I ² T 值/ Average I ² T Value(A ² · sec.)	1.5I _n 最大持续功耗 1.5I _n Maximum Sustained Dissipation (mW)
100mA	350	0.05	170	1A	140	7.02	500
125mA	300	0.08	180	1.25A	130	11.7	600
160mA	280	0.15	190	1.6A	120	16.1	730
200mA	260	0.22	200	2A	100	29.0	870
250mA	240	0.33	220	2.5A	100	43.4	1000
315mA	220	0.57	250	3.15A	100	63.6	1200
400mA	200	1.05	280	4A	100	100	1400
500mA	190	1.65	310	5A	100	150	1680
630mA	180	2.53	360	6.3A	100	252	2000
800mA	160	4.39	430				

6.3 负载能力测试/ CURRENT-CARRYING CAPACITY TEST

当保险丝通以 150%倍额定电流的条件下进行测试时，在 1 小时内电路不应断开，保险丝不被电流熔断，圆形塑料帽不破裂、脱落。A fuse shall carry 150% of rated current for 1 hour or more, and the circuit shall not be opened. While the fuse is carrying this current, no open circuit, melt fusible element, and round thermoplastic cap shall not be charred or ruptured in any manner.

6.4 预飞弧时间-电流特性/ PRE-ARCING TIME-CURRENT CHARACTERISTICS

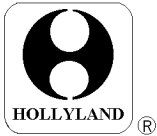
当保险丝通以下表规定的电流时，其熔断时间必须符合下表的要求，且圆形塑料帽不能飞脱、损坏。When the current in the following table is passing the fuse, its opening time must be in accordance with the requirements in the following table, that is, the pre-arcing time. Moreover, there shall not be damaged or shattered of the round thermoplastic cap.

额定电流 Rated Current	2.1 I _n	2.75I _n		4 I _n		10 I _n	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.
100mA~6.3A	2min	400ms	10s	150ms	3s	20ms	150ms

6.5 分断能力/ BREAKING CAPACITY

保险丝的分断能力应能达到下表规定的相应的安全认证的分断能力要求。保险丝分断电路后，圆形塑料帽不应飞脱、损坏。The breaking capacity should reach the rated breaking current given in the following table. And after this test, there shall be not damaged or shattered of the round thermoplastic cap.

额定电压 RATED VOLTAGE	分断电流/ BREAKING CURRENT		
	CCC/ CQC/ SEMKO/ VDE/ BSI/KTL	UR/CUR	PSE
250V _{ac}	35A(100mA~3.15A), 10I _n (4A~6.3A)		100A (1A~6.3A)
300Vac	/	50A(100mA~6.3A)	/
125V _{dc}	/		/



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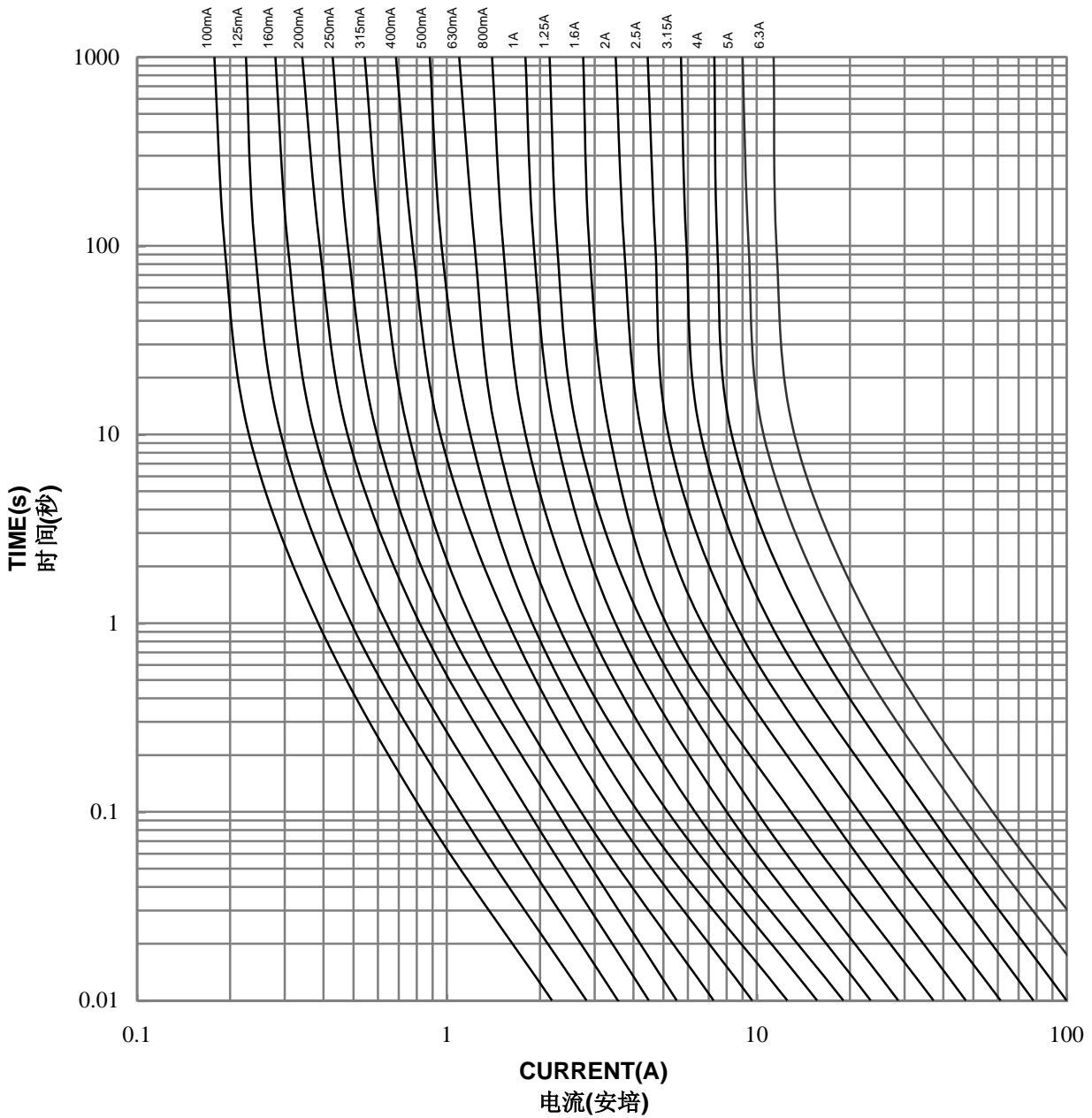
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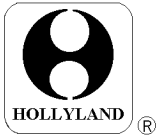
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6.6 平均 I-T 特性曲线图(供参考)/ THE AVERAGE I-T CHARACTERISTICS CURVE(FOR REFERENCE ONLY)

5RT RoHS I-T CHARACTERISTICS CURVE
5RT RoHS I-T曲线图





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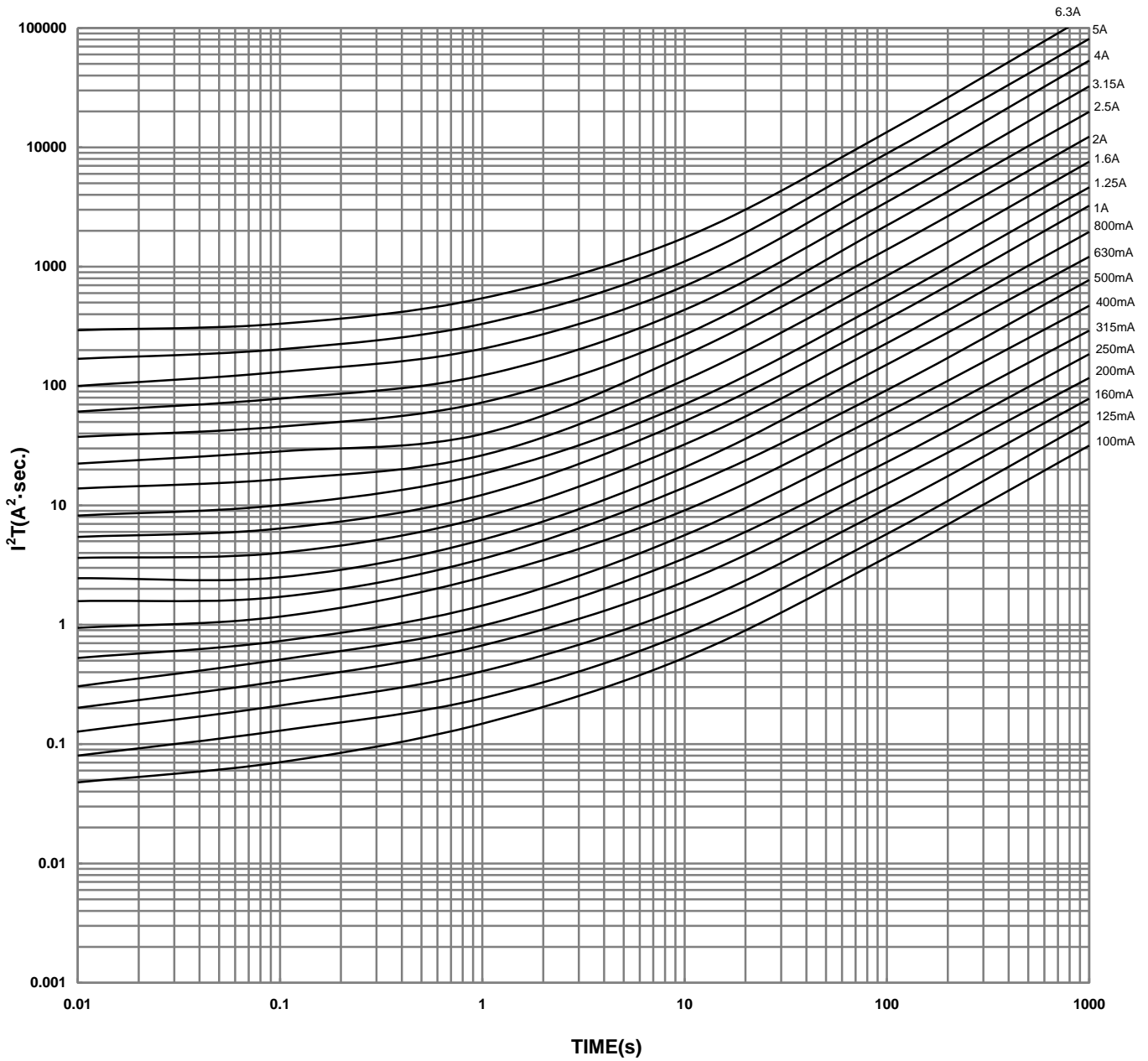
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6.7 平均 I²T-T 特性曲线图(供参考)/ THE AVERAGE I²T-T CHARACTERISTICS CURVE(FOR REFERENCE ONLY)

5RT RoHS I²T-T CHARACTERISTICS CURVE



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6.8 焊接参数/ SOLDERING PARAMETERS

- 1) 波峰焊接/ Wave soldering: 260°C, 10sec. Max..
- 2) 手工焊接/ Manual soldering: 300°C, 3sec. Max..
- 3) 耐热焊接/ Resistance to soldering heat: 260°C, 10sec. Max..

6.9 工作温度/ OPERATING TEMPERATURE: -55°C to +125°C.

6.10 储存温度 / STORAGE TEMPERATURE: -55°C~85°C.

6.11 电阻测试/ COLD RESISTANCE TEST

环境温度为 25±2°C，测试电流不大于保险丝额定电流的 10%。

Input less than or equal to 10% of fuse rated current to fuse for cold resistance test at surrounding temperature of 25±2°C.

6.12 相比漏电起痕指数(CTI)/ Comparative Tracking Index(CTI)

CTI 475 V, 根据 IEC60112 《固体绝缘材料耐电痕化指数和相比电痕化指数的测定方法》。



CTI 475 V, According IEC 60112<Method for the determination of the proof and the comparative tracking indices of solid insulating materials>.

7. 产品标志/ MARKING

7.1 保险丝上的标志应易于看清

The relevant markings shall be marked on round thermoplastic cap and shall be easily visible.

7.2 每个保险丝应标有下列标记/ The markings for every fuse shall be prescribed as below according to the types:

- 1) 安全认证标志 Safety Approval Logo: 
- 2) 商标 Trademark: 
- 3) 特性符号 Characteristics symbol: T
- 4) 额定电流 Rated current
- 5) 额定电压 Rated voltage

7.3 标签应包括：型号、额定电流、额定电压、安全标志、批量号码、绿色的“QA”和“G”签章。The label shall contain the Type, Rated current, Rated voltage, Safety approval logo, Lot. No., “QA” & “G” seals in green.

8. 包装要求/ PACKING DETAILS

8.1 包装方式 A/ PACKING MODE A

8.1.1 编带式包装：按编号 NLBZ-004 图纸要求包装。

AMMO-PACK: according to the drawing (No.: NLBZ-004) (Please see the attachment).

8.2 包装方式 B/ PACKING MODE B

散装包装/ BULK PACKING:

8.2.1 短引线/ Short Lead(4.3mm)

8.2.1.1 塑料袋参考尺寸 Plastic Bag Size: 长×宽×厚 length × width × thickness= 140×100×0.07mm.

8.2.1.2 内盒参考尺寸 Inner Box Size:长×宽×高 length × width × height= 230×150×60mm.

8.2.1.3 外箱参考尺寸 External Carton Size: 长×宽×高 length × width × height= 375×245×165mm.

8.2.1.4 包装要求 Packing Details: 250 个/袋; 8 袋/盒; 5 盒/箱。 250EA/ Bag; 8Bags / Box; 5 Boxes / Exported Carton.

8.2.2 长引线/ Long lead(18.9mm)

8.2.2.1 内盒参考尺寸 Inner Box Size:长×宽×高 length × width × height= 65×65×230mm

8.2.2.2 外箱参考尺寸 External Carton Size: 长×宽×高 length × width × height= 335×295×260mm

8.2.2.3 包装要求: 500 个/内盒 (内垫一层气泡布); 20 内盒/外箱。

Packing Details: 500EA/ Inner Box (put one layer bubble film in each inner box); 20 Inner Boxes/ External Carton.

8.3 所有产品的包装应能达到防潮、抗振的作用，以防在运输或贮存过程中产品受潮或损坏/ Packing should meet the requirements of anti-moisture and anti-shaking so that the products will not absorb moisture or be damaged during transportation or storage.



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