

 Hollyland (China) Electronics Technology Corporation Ltd.	PRODUCT SPECIFICATION	ISSUED DATE:	2015/4/30
	5/F RoHS SERIES	REV. NO.: DOC. NO.: PAGE:	A01 HLD-PSI-8082 Page 1 of 7

制定 PREPARED BY	研发部 2015.04.30 赵长俊	审核 CHECKED BY	研发部 2015.04.30 陶家山	批准 APPROVED BY	副总经理 2015.04.30 赖文辉
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1 适用范围/ SCOPE

本规格书适用于公司生产的非标 5/F RoHS 系列 HOLLY® 商标的小型保险丝管。

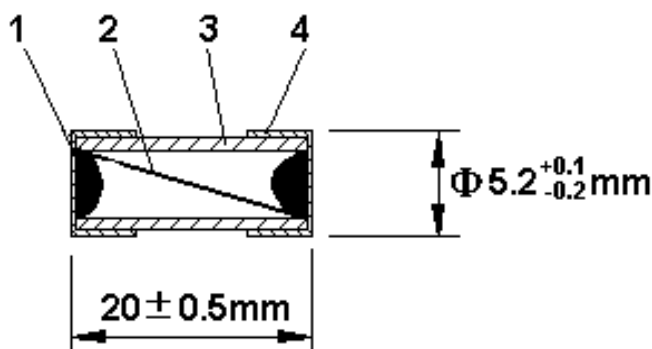
This specification defines the technical requirements of miniature fuse unapproved type 5/F RoHS series with HOLLY® brand.

2 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.

3 构造图/ CONSTRUCTION FIG. & DIMENSION



编号 No.	品名 PART	材料名 MATERIAL MODEL	备注 NOTE
1	焊锡 Solder	无铅焊锡/ Pb Free	额定电流 $I_n \leq 12A$
		含铅高温焊锡/ Pb Contained High Temperature Solder	额定电流 $I_n > 12A$
2	可熔体/ Element	金属丝/ Metal Wire	/
3	管体/ Tube	玻璃管 或 陶瓷管/ Glass or Ceramic Tube	/
4	铜帽/ Cap	黄铜/ Brass	镀镍/ Nickel Plated

3.1 玻璃管、陶瓷管/ GLASS & CERAMIC TUBE

玻璃管、陶瓷管无破裂、缺损或污染等现象，且玻璃管须透明易辨其内部的可熔体。

The glass tube shall be transparent as to be easily distinguished fusing element with naked eyes. The glass and ceramic tube shall have no defects such as crack, injury and contamination.

3.2 铜帽/ CAP

铜帽应焊接牢固，以保证在未损坏熔断体时，铜帽不能被卸脱。样品在 15℃-35℃ 水中浸 24 小时取出后，在每个端帽上均匀施加拉力至 5N，保持 1 分钟，铜帽不应脱落。

Cap should be firmly attached so that it is not possible to remove them without damaging the fuse itself. The samples are immersed in water for 24 hours at a temperature between 15℃ and 35℃. After remove from the water, an axial pull steadily increasing to 5N is applied to each cap for 1 minute.

3.3 焊点/ SOLDERING JOINT

焊接铜帽端时，管内和铜帽外表面不能有残留的助焊剂、焊锡等异物。

Soldering joint in end cap shall not be melted during normal operation and shall not have solder chips on

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tube, element in view and outer surface of caps.

4 电气特性/ ELECTRICAL PERFORMANCES

4.1 电压降/ VOLTAGE DROP

熔断体在额定电流条件下, 其两端的电压降不应超过下表规定的最大值。

The voltage drop across the fuse-link at their rated current shall not exceed the maximum values is in follows.

额定电流 Rated Current (A)	额定电压 Rated Voltage (V)	最大电压降 Maximum Voltage Drop (mV)	最大维持功耗 Maximum Sustained Power Dissipation (W)
100mA	250	7,000	3.2
125mA		4,000	
160mA		4,000	
200mA		3,400	
250mA		2,800	
300mA		2,700	
315mA		2,600	
350mA		2,500	
400mA		2,400	
450mA		2,200	
500mA		2,000	
600mA		1,500	
630mA		1,300	
700mA		1,000	
750mA		800	
800mA		480	
1A		400	
1.2A		400	
1.25A		400	
1.6A		380	
2A		340	
2.5A		340	
3A		320	
3.15A		300	5
4A~10A		260	
>10A		260	8

4.2 预飞弧时间电流-特性/ PRE-ARCING TIME-CURRENT CHARACTERISTICS

2.1I _n	2.75I _n	
Max.	Min.	Max.
30min.	10ms	5sec.

4.3 分断能力/ BREAKING CAPACITY

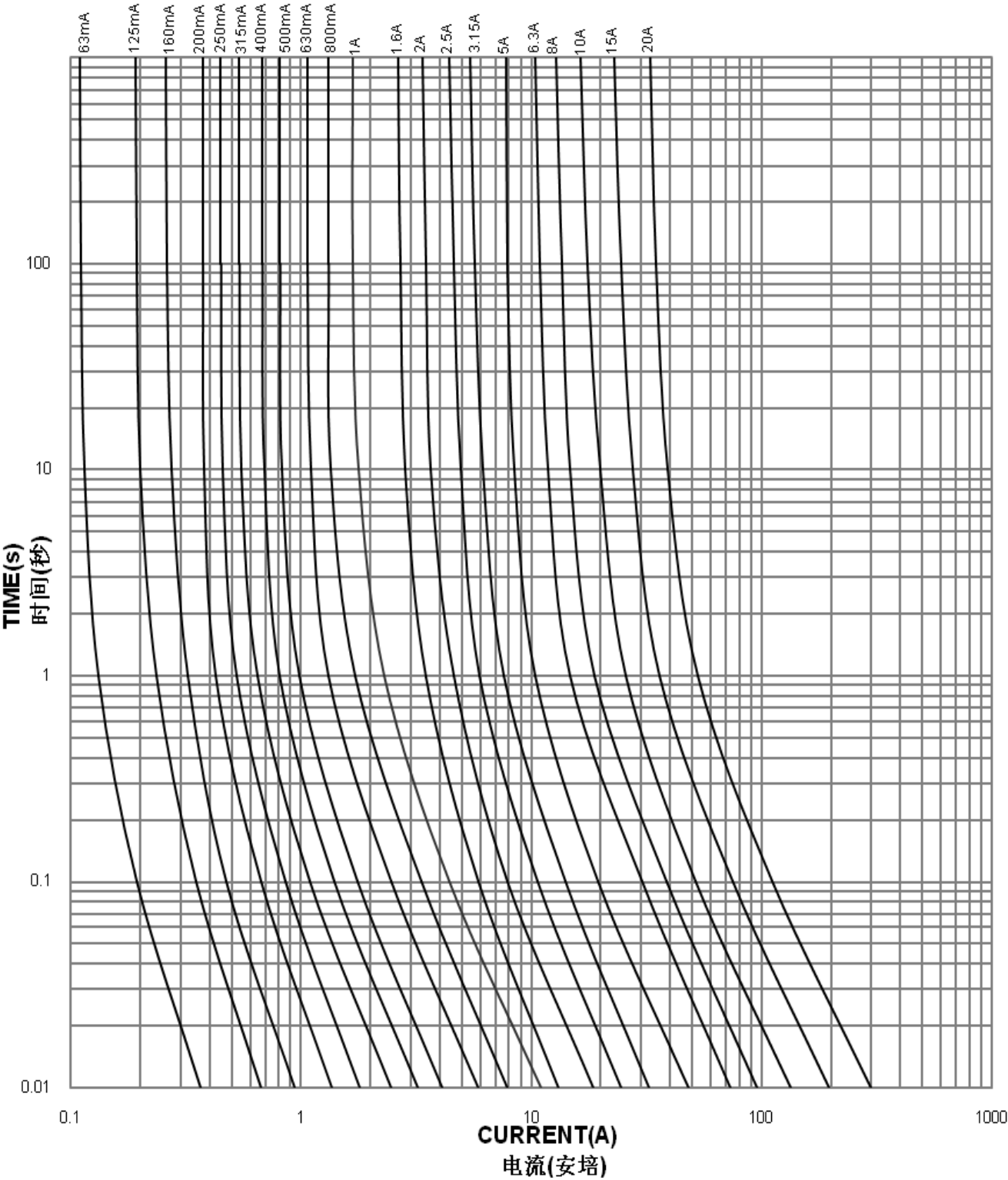
额定分断能力为 35A 或 10I_n(A.C.), 取其中较大者, 及额定电流大于 10A 的额定分断能力均为 100A(A.C.)。

Rated breaking capacity is 35A or 10I_n whichever is greater, and 100A (I_n>10A), tested with A.C..

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

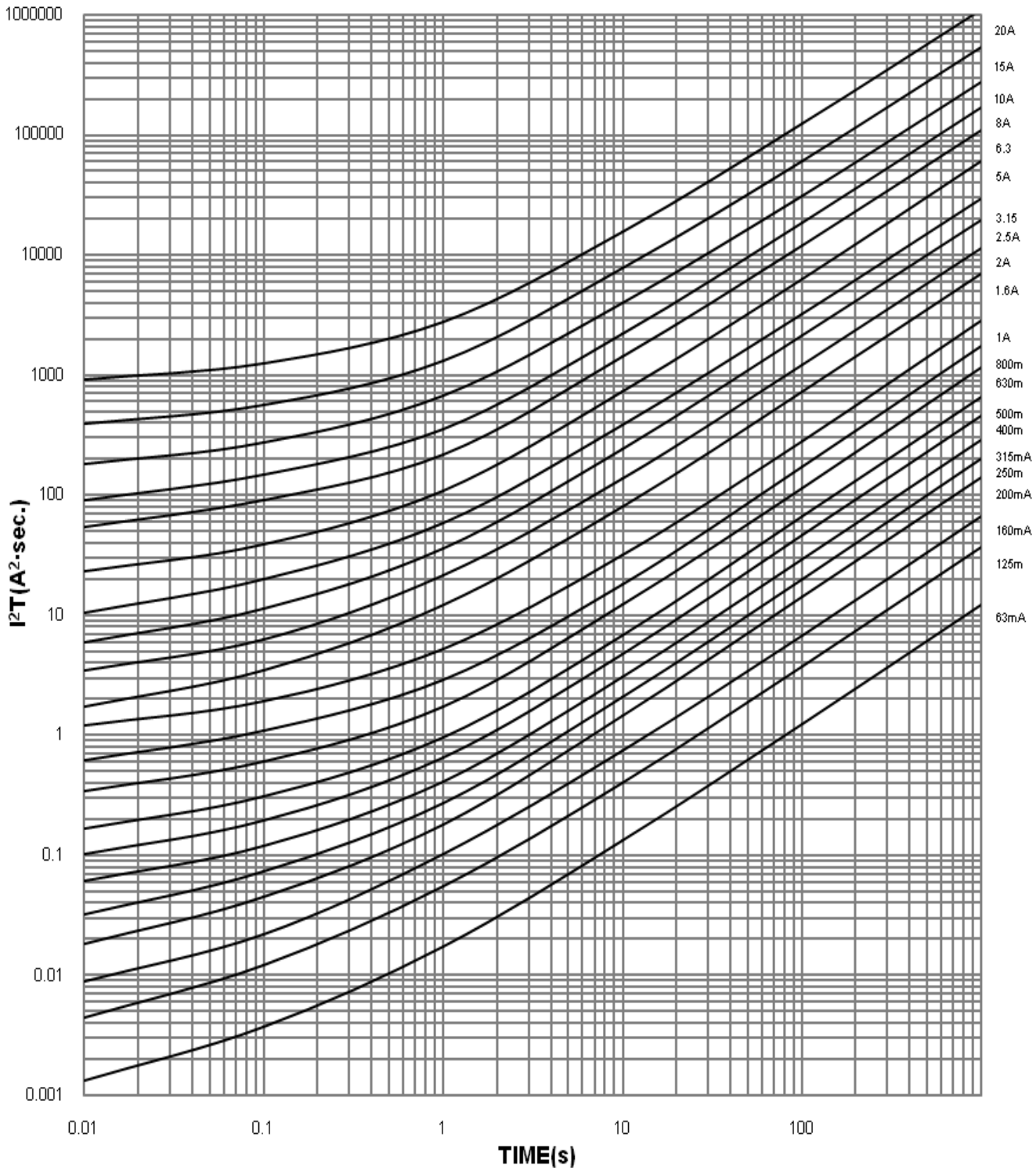
5/FRoHS Average I-T Characteristics Curve(For Reference Only)
5/FRoHS 平均I-T曲线图(供参考)



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

5/FRoHS Average I²T-T Characteristics Curve(For Reference Only)



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4.7 电阻测试/ COLD RESISTANCE TEST

环境温度为 $25\pm 2^{\circ}\text{C}$ ，测试电流不大于保险丝额定电流的 10%。
Input 10% of fuse rated current to fuse for cold resistance test at surrounding temperature of $25\pm 2^{\circ}\text{C}$.

5 产品标志/ MARKING

5.1 保险丝上的标志应易于看清。
The relevant markings shall be marked on the caps of the fuse and shall be easily visible.
5.2 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) 商标/ Trademark: $\text{\textcircled{H}}$
- 2) 特性符号/ Characteristic Symbol: F
- 3) 额定电流/ Rated Current
- 4) 分断能力符号/ Breaking Capacity Symbol: L
- 5) 额定电压/ Rated Voltage

注：1) 应标注在保险丝管一端铜帽的侧面。
Note: 1) should be marked on the one side cap of the fuse.
2)、3)、4)和 5) 应标注在保险丝管另一端铜帽的侧面。
2), 3), 4) and 5) should be marked on the other side cap of the fuse.

6 包装要求/ PACKAGING DETAILS

6.1 外箱包装方式/ EXTERNAL CARTON PACKING

6.1.1 包装方式 A/ PACKING MODE A

6.1.1.1 参考尺寸：长 $\times$ 宽 $\times$ 高=320 $\times$ 240 $\times$ 165mm。
Reference Dimension: Length $\times$ Width $\times$ Height=320 $\times$ 240 $\times$ 165mm.
6.1.1.2 包装细节：200EA/小塑料袋；25 小塑料袋/大塑料袋；2 大塑料袋/每箱。

Packaging Details: 200EA/ little plastic-bag; 25 little plastic-bags/ big plastic-bag; 2 big plastic-bags/ External Carton.

6.1.2 包装方式 B/ PACKING MODE B

6.1.2.1 参考尺寸：长 $\times$ 宽 $\times$ 高=375 $\times$ 245 $\times$ 165mm。
Reference Dimension: Length $\times$ Width $\times$ Height=375 $\times$ 245 $\times$ 165mm.
6.1.2.2 包装细节：200EA/小塑料袋；5 小塑料袋/盒；10 盒/每箱。
Packaging Details: 200EA/ little plastic-bag; 5 little plastic-bags/ box; 10 boxes/ External Carton.

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。

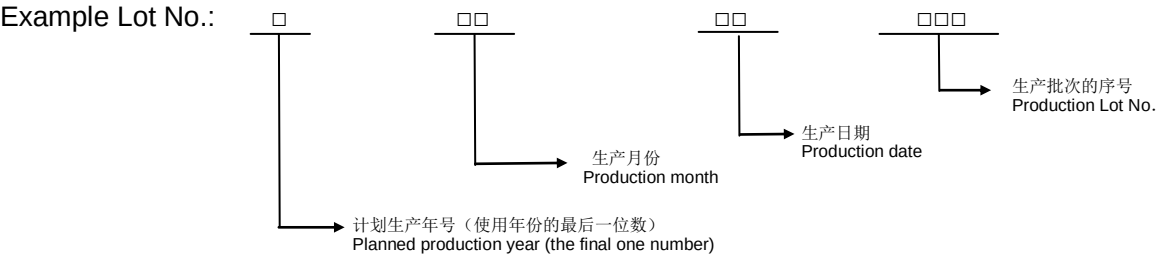
Packaging shall be so carried out that the products will not absorb moisture or be damaged during transportation or storage.

6.2 标签/ LABEL

标签应包括额定电流、额定电压、分断电流、商标、批量号码、公司名称、RoHS 标志、绿色“G”和“QA”标志。

The label in the smallest package in which the fuses are put shall contain Rated current, Rated voltage, Breaking current, Trademark, Lot. No., Company name, “RoHS” mark, green “G” and “QA” mark.

例批量号：



7 环境参数/ ENVIRONMENT PARAMETERS

7.1 工作温度/ Operating Temperature: $-55^{\circ}\text{C}\sim 125^{\circ}\text{C}$ 。
7.2 储存温度/ Storage Temperature: $-55^{\circ}\text{C}\sim 85^{\circ}\text{C}$ 。

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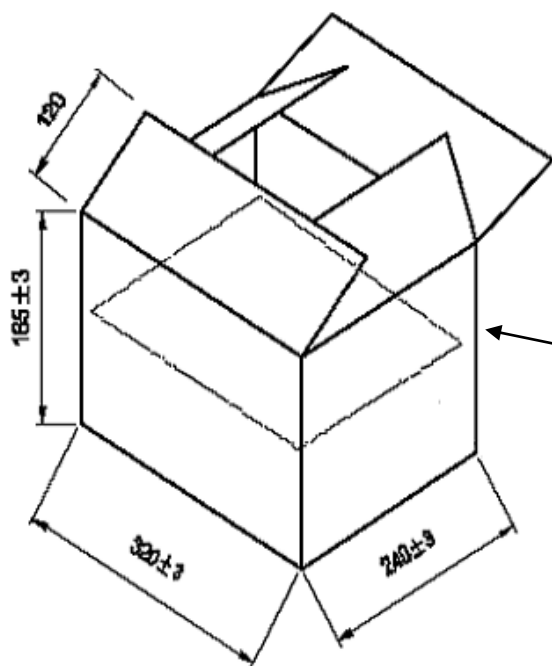
包装方式 A Package A

大塑料袋 Big-Plastic-Bag



200 个/小塑料袋; 25 小塑料袋/大塑料袋
200EA/ little plastic-bag; 25 little plastic-bags/ big plastic-bag
5,000 个/大塑料袋
5,000EA/ big plastic-bag

外箱 External Carton



2 个大塑料袋/箱
2EA big plastic-bags in one carton

1 重量 Weight

一个外箱(装满 10,000 个保险丝管)毛重 9.5 公斤/净重 9 公斤。

One external carton(filled with 10,000EA fuses): G.W. 9.5Kgs/ N.W. 9Kgs.

2 原材料 Material

内盒 Inner box: 纸板 Cardboard.

外箱 External carton: 双层瓦楞纸 Double layer corrugated paper, 厚度 Thickness>6mm.

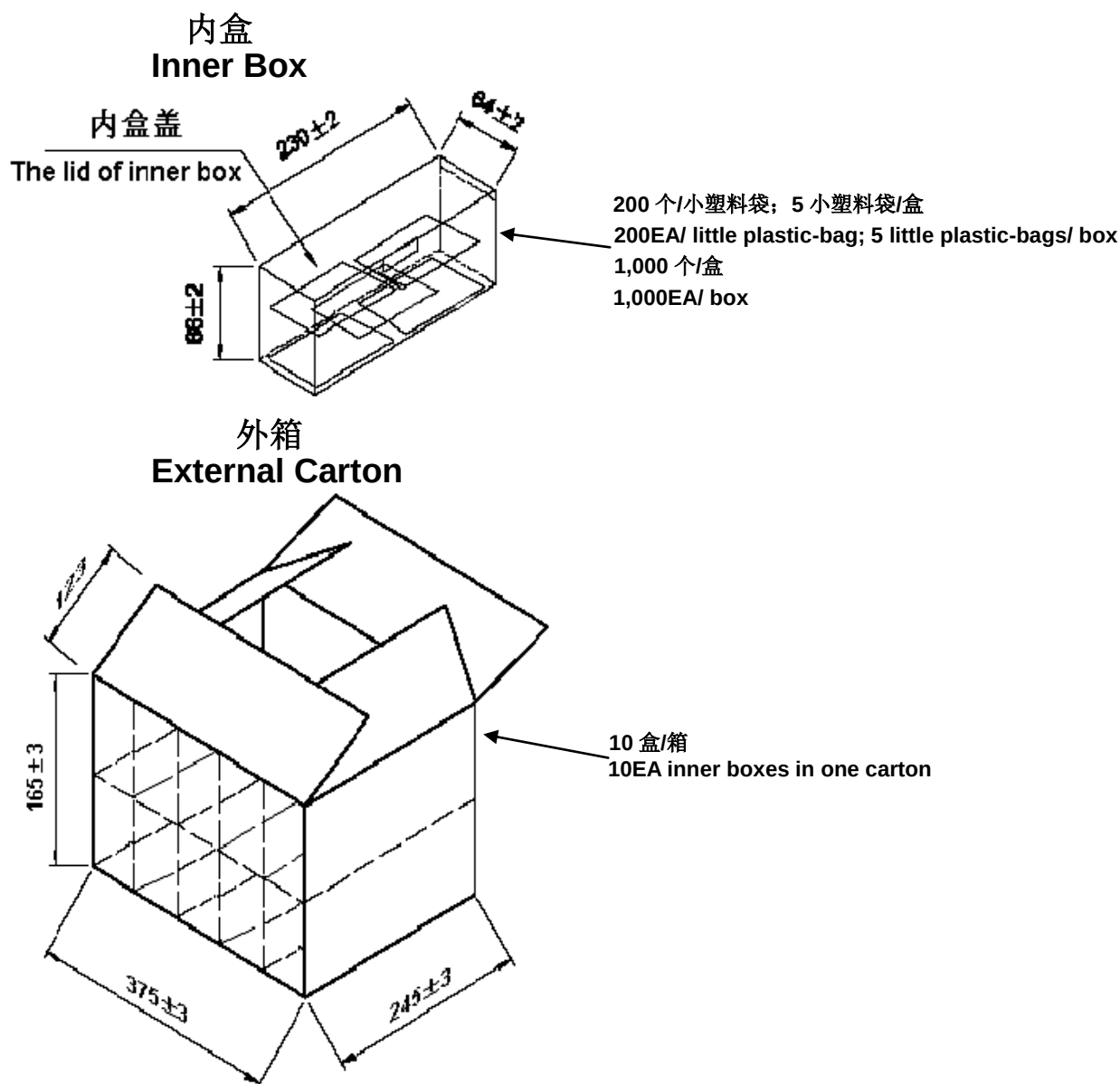
3 印刷标志 Printing and Marking

外箱需有公司名称、电话、传真、电子邮箱、网址、商标、安全标志、RoHS、BSI ISO9001 和 CQC ISO14001:2004 等标志。

External carton With Company name, Tel, Fax, E-mail, Web site, Trade make, Safety approval logo, RoHS, BSI ISO9001 and CQC ISO14001:2004 registered firm etc..

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包装方式 B Package B



1 重量 Weight

一个外箱(装满 10,000 个保险丝管)毛重 10 公斤/净重 9 公斤。

One external carton(filled with 10,000EA fuses): G.W. 10Kgs/ N.W. 9Kgs.

2 原材料 Material

内盒 Inner box: 纸板 Cardboard.

外箱 External carton: 双层瓦楞纸 Double layer corrugated paper, 厚度 Thickness>6mm.

3 印刷标志 Printing and Marking

外箱需有公司名称、电话、传真、电子邮箱、网址、商标、安全标志、RoHS、BSI ISO9001 和 CQC ISO14001:2004 等标志。

External carton With Company name, Tel, Fax, E-mail, Web site, Trade make, Safety approval logo, RoHS, BSI ISO9001 and CQC ISO14001:2004 registered firm etc..