HOLLYLAND （CHINA）ELECTRONICS TECHNOLOGY CORPORATION LIMITED	PRODUCT SPECIFICATION	ISSUED DATE： REV. NO.： DOC. NO.： PAGE ：	2011/1/25 A01 HLD-PSI-8158 Page 1 of 5
	HC14gG RoHS SERIES		

制 定 PREPARED BY	研发部 2011-1-25 朱泽江	审 核 CHECKED BY	研发部 2011-1-25 赖文辉	批 准 APPROVED BY	副总经理 2011-1-25 黄恒明

1. 适用范围 SCOPE

本规格书适用于本公司生产***的并取得CCC 认证***的 HC14gG RoHS 系列 HOLLY®商标的圆筒型帽熔断体。

This specification defines the technical requirements of fuse-links having cylindrical contact caps type HC14gG RoHS series with HOLLY® brand ***which have been approved by CCC.***.

产品部件号为：	型号	额定电流	额定电压
Construction of part no:	type	rated current	rated voltage
例如 For Example:	14gG	10	U6

* 额定电压 Rated voltage: U5 -500V~ U6 -690V~

产品部件号 PART NUMBER

目录编号 Part No.	额定电流 Rated Current	额定电压 Rated Voltage	目录编号 Part No.	额定电流 Rated Current	额定电压 Rated Voltage
14gG2U5/U6	2 A		14gG16U5/U6	16 A	
14gG4U5/U6	4 A		14gG20U5/U6	20 A	
14gG6U5/U6	6 A	U5-500V~	14gG25U5/U6	25 A	U5-500V~
14gG8U5/U6	8 A	U6-690V~	14gG32U5	32 A	U6-690V~
14gG10U5/U6	10 A		14gG40U5	40 A	
14gG12U5/U6	12 A		14gG50U5	50 A	

2. 相关标准及认证情况 APPLICABLE STANDARDS & APPROVED DETAILS

2.1 HC14gG RoHS 系列产品适用的相关标准是 IEC 60269, GB 13539.

Applicable standards for HC14gG RoHS series are IEC 60269 and GB 13539.

2.2 认证情况 APPROVED DETAILS

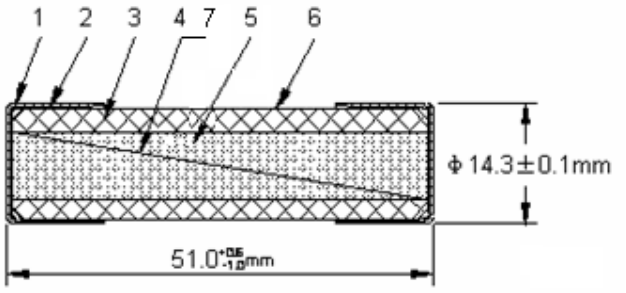
额定电压 Rated Voltage	***CCC***	
	认证范围 Approved Range	***认证号码 Cert. No.***
500V AC	***2A~50A***	***2011010308455230***
690V AC	***2A~25A***	

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

编号 NO.	品名 PART	材料 MATERIAL	备注 REMARK
1	铜帽 Cap	黄铜 Brass	/
2	内帽 Inner Cap	黄铜 Brass	/
3	陶瓷管 Ceramic Tube	陶瓷 Ceramic	/

4	可熔体 Fusible Element	铜片 Sheet Copper	/
5	石英砂 Quartz Sand	二氧化硅 Silicon Dioxide	/
6	油墨 Printing Ink	黑色油墨 Black Printing Ink	/
7	焊锡 Solder	无铅焊锡 Pb Free Solder	/

4.2 陶瓷管 Ceramic Tube

陶瓷管无破裂、缺损或污染等现象。

Ceramic tube shall have no defects such as crack, injury and contamination.

5．电气特性 ELECTRICAL PERFORMANCES

5.1 测试条件 TEST CONDITIONS

全部测试条件都应在环境温度 20℃±5℃条件下进行。

All electrical tests are conducted at a ambient temperature of 20±5℃.

5.2 负载能力测试 CURRENT-CARRYING CAPACITY TEST

当熔断体通以约定不熔断电流的条件下进行测试时，在1小时内电路不应断开，熔断体不被电流熔断，管体不破裂。

A fuse-link shall carry conventional non-fusing 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 ruptured tube shall occur in any manner during this test.

5.3 温度上升试验TEMPERATURE RISE TEST

当熔断体通以100%倍额定电流的条件下进行测试时，在达到热量平衡后，测量接线端子的温度，接线端子的温度上升必须等于或低于75℃。

The circuit is be made to carry 100% of the fuse rating. After thermal equilibrium is reached, the temperature rise on the terminal of each fuse shall be 75℃ or less.

5.4 最大额定耗散功率MAXIMUM RATED POWER DISSIPATION

额定电流 Rated Current	最大额定耗散功率 Maximum Rated Power Dissipation(W)
2A-50A	5

5.5 时间-电流特性TIME-CURRENT CHARACTERISTICS

当熔断体通以下表规定的电流时，其熔断时间必须符合下表的要求，且铜帽不能飞脱、管体不应破裂、损坏。

When the current in the following table is passing the fuse-link, its opening time must be in accordance with the requirements in the following table, that is, the pre-arcing time. Moreover, neither damage of the fuse-tube nor shattering of the cap shall occur.

表Ⅰ Table Ⅰ:

额定电流In(A) Rated Current In(A)	约定时间(h) Conventional Time(h)	约定电流Conventional Current	
		约定不熔断电流（A） Conventional Non-fusing Current(A)	约定熔断电流（A） Conventional fusing Current(A)
≤4	1	1.5In	2.1In
4＜In＜16	1	1.5In	1.9In
16≤In≤50	1	1.25In	1.6In

表Ⅱ Table Ⅱ：

额定电流 Rated Current(A)	测试电流（A）of Testing Current(A)			
2	3.7	9.2	6.0	23.0
4	7.8	18.5	14.0	47.0
6	11.0	28.0	26.0	72.0
8	16.0	35.2	41.6	92.0

10	22.0	46.5	58.0	110.0
12	24.0	55.2	69.6	140.4
16	33.0	65.0	85.0	150.0
20	42.0	85.0	110.0	200.0
25	52.0	110.0	150.0	260.0
32	75.0	150.0	200.0	350.0
40	95.0	190.0	260.0	450.0
50	125.0	250.0	350.0	610.0
熔断时间Open Time	10S Min.	5S Max.	0.1S Min.	0.1S Max.

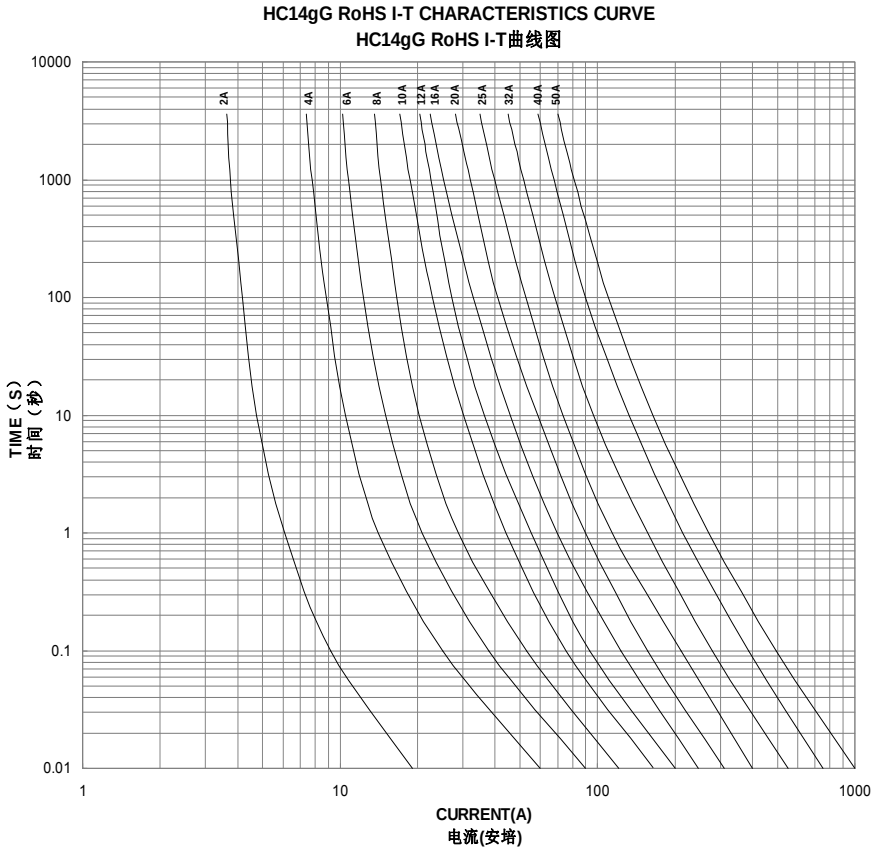
5.6 分断能力BREAKING CAPACITY

熔断体的分断能力应能达到下表规定的分断能力要求。熔断器分断电路后，熔断体及其部件可以改变颜色或者裂缝，但熔断体从载熔件或试验架上取出之前须保持为一整体、且其两端的绝缘电阻不小于0.1MΩ。

The breaking capacity should reach the breaking current rating given in the following table. After this test, the fuse-links or their parts may have changed their colour or may show cracks, provided that the fuse-link remains in one piece beforeits removal from the fuse-carrier or test rig, and the insulation resistance of both two terminals shall be not less than 0.1MΩ.

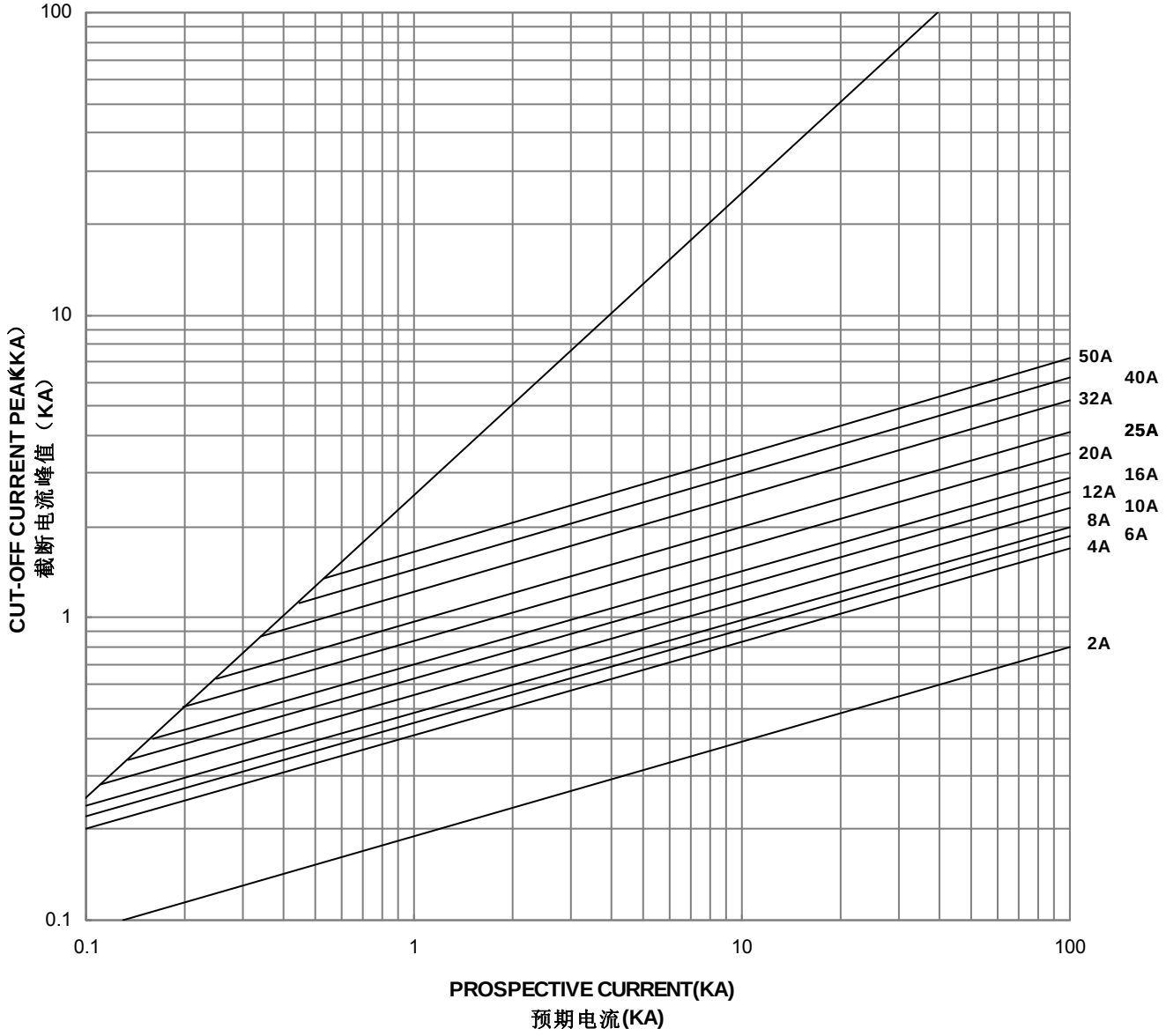
额定电压 Rated Voltage	额定电流 Rated Current	分断电流 Breaking Current
690V~	2A-25A	80KA
500V~	2A-50A	120KA

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



5.8 平均截断电流图(仅供参考) THE AVERAGE CUT-OFF CHARACTERISTICS (FOR REFERENCE ONLY)

HC14gG RoHS CUT-OFF CHARACTERISTICS
HC14gG RoHS 截断电流图



5.9 电阻测试COLD RESISTANCE TEST

环境温度为20±5℃，测试电流不大于熔断体额定电流的10%。

Input less than or equal to 10% rated current of fuse-link to fuse for cold resistance test at the ambient temperature of 20±5℃.

6.产品标志MARKING

6.1 熔断体上的标志应易于看清。

The relevant markings shall be marked on tube of the fuse-link and shall be easily visible.

6.2 每个熔断体应标有下列标记The symbol for every fuse shall be as prescribed below：

6.2.1 商标Trade mark：HOLLY®

6.2.2 分断范围与使用类别Breaking range and utilization category：gG

6.2.3 额定电流Rated current：

6.2.4 额定电压Rated voltage：

6.2.5 分断能力Breaking capacity：

6.2.6 型号标识Type mark：

6.2.7 安全认证标志Safety Approval Logo：

7.包装要求PACKING DETAILS

7.1 包装方式Packing

7.1.1 小盒参考尺寸Small Box Size：长×宽×高length × width × height＝104×74×15mm.

7.1.2 外箱参考尺寸External Carton Size: 长×宽×高length × width × height＝390×230×170mm

7.1.3 包装要求：10 个/小盒；5 小盒/热缩袋；20 热缩袋/每箱。

Packing Details: 10EA/small box;5 small boxes / Film bag;20 Film bags /exported carton.

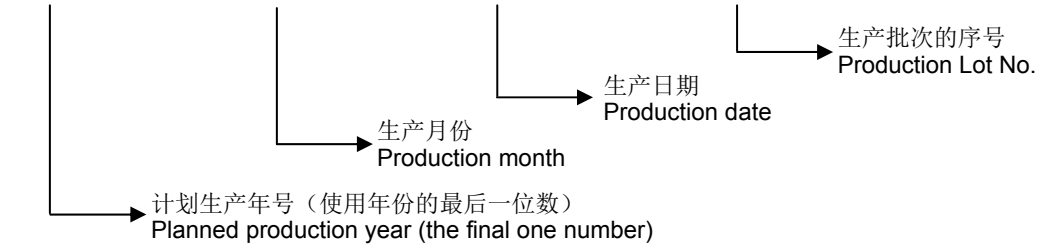
7.2 标签Label

标签应包括：型号、额定电压、额定电流、***安全标志***、批量号码、RoHS 标志。

The label in the smallest package in which the fuse-links are put shall contain the Type, Rated voltage, Rated current, ***Safety approval logo,*** Lot. No., “RoHS” mark.

例批量号：

Example Lot No.: □ □□ □□ □□□



7.3 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.