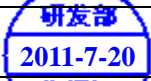
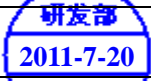

 <b>HOLLYLAND (CHINA) ELECTRONICS TECHNOLOGY CORPORATION LIMITED</b>	<b>PRODUCT SPECIFICATION</b>	<b>ISSUED DATE:</b> 2011/7/20	A00
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制定 PREPARED BY	 2011-7-20	审核 CHECKED BY	 2011-7-20	批准 APPROVED BY	 2011-7-20
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1. 适用范围/ SCOPE

本规格书适用于本公司生产的 HC14gPV 1000V RoHS 系列 HOLLY® 商标的圆筒型帽熔断体。本产品适用于 1000V 及以下太阳能光伏电池组件或其它半导体器件的保护。

This specification defines the technical requirements of fuse-links having cylindrical contact caps type HC14gPV RoHS series with HOLLY® brand. The fuse series designed for protection photovoltaic battery system and other semiconductor devices where voltage up to 1000V.

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:                      14gPV                      20                      U0

\* 额定电压 Rated voltage: U0 - 1000V DC

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
14gPV15U0	15A	1000V DC	14gPV30U0	30A	1000V DC
14gPV20U0	20A		14gPV32U0	32A	
14gPV25U0	25A		14gPV40U0	40A	

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

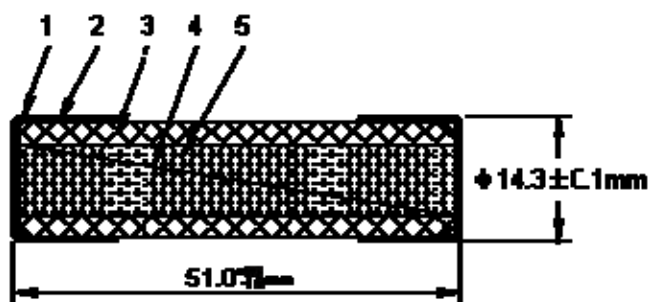
2.1 HC14gPV RoHS 系列产品适用的相关标准是 IEC 60269.1, IEC 60269.6.

Applicable standards for HC14gPV RoHS series are IEC 60269.1 and IEC 60269.6.

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
铜帽 Cap	黄铜 Brass	
内帽 Inner Cap	黄铜 Brass	
陶瓷管 Ceramic Tube	陶瓷 Ceramic	
可熔体 Element	银片 Silver Sheet	
填料 Filler	石英砂 Quartz Sand	

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#### 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  $20^{\circ}\text{C}\pm 5^{\circ}\text{C}$  条件下进行。

All electrical tests are conducted at a ambient temperature of  $20\pm 5^{\circ}\text{C}$ .

#### 5.2 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 $70^{\circ}\text{C}$ 。

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  $70^{\circ}\text{C}$  or less.

#### 5.3 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.

额定 Rated		熔断时间 Blowing Time
1.13In	最快 Min.	1 hour
1.45In	最慢 Max.	1 hour

#### 5.4 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 $0.1\text{M}\Omega$ 。

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 before its removal from the fuse-carrier or test rig, and the insulation resistance of both two terminals shall be not less than  $0.1\text{M}\Omega$ .

额定电压 RATED VOLTAGE	额定电流 RATED CURRENT	分断电流 BREAKING CURRENT	备注 REMARK
1000V DC	15A-40A	30kA	时间常数: 1-3ms Time Constant: 1-3ms



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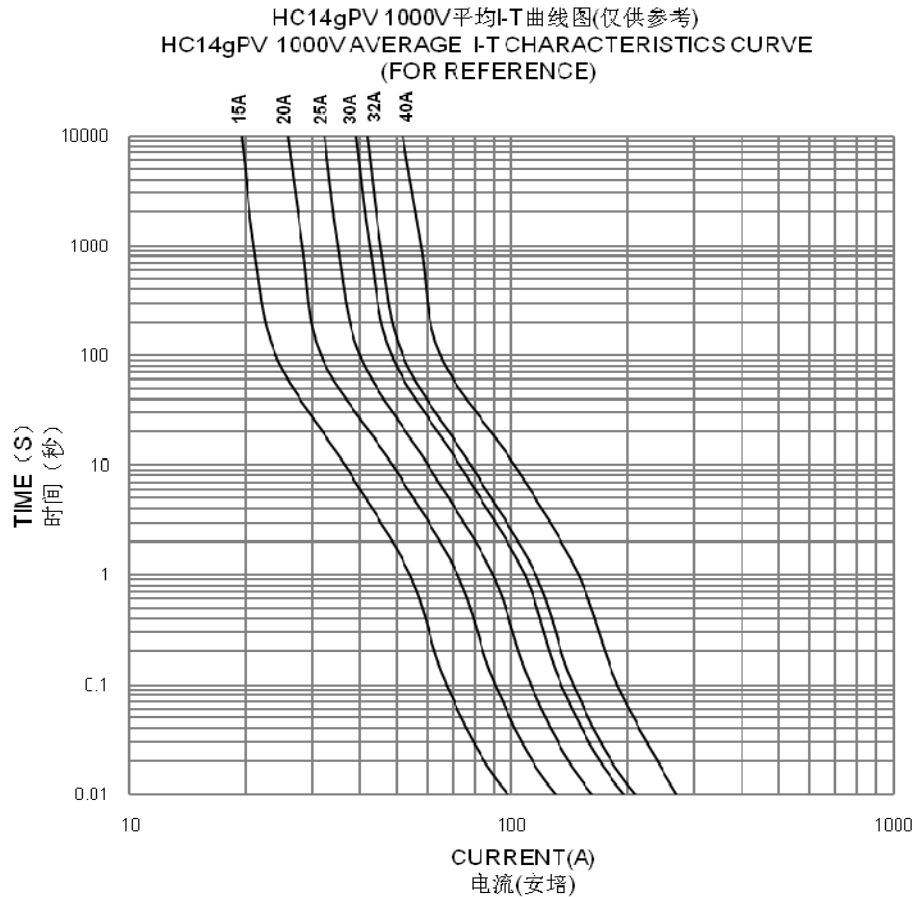
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## 5.6 平均I-T特性曲线图(仅供参考) THE AVERAGE I-T CHARACTERISTICS CURVE (FOR REFERENCE ONLY)



## 5.5 电阻测试COLD RESISTANCE TEST

环境温度为 $20\pm 5^{\circ}\text{C}$ ，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  $20\pm 5^{\circ}\text{C}$ .

## 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 光伏标识Marked with the letters "gPV": gPV

6.2.3 额定电流Rated current:

6.2.4 额定电压Rated voltage: 1000V DC

6.2.5 分断能力Breaking capacity: 30kA


6.2.6 型号标识Type mark: HC14gPV

## 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。

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7.1.3 包装要求：10 个/小盒；5小盒/热缩袋；20 热缩袋/每箱。

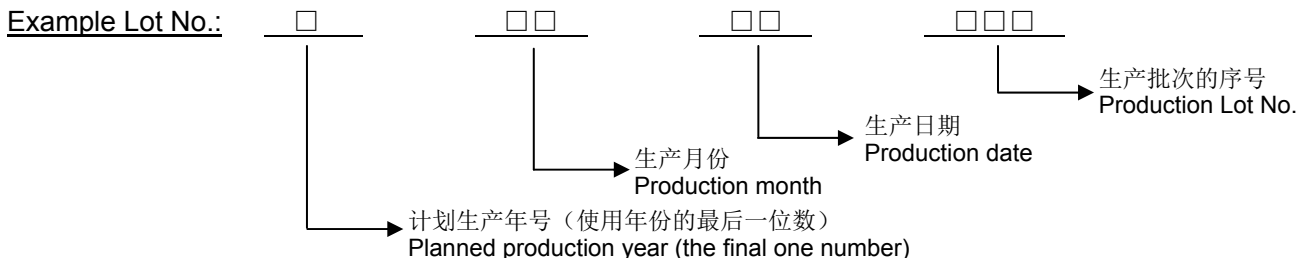
Packing Details: 10EA/small box;5 small boxes / Film bag;20 Film bags /exported carton.

7.2 标签Label

标签应包括：型号、额定电压、额定电流、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, Lot. No., “RoHS” mark.

例批量号：



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.