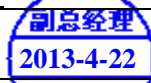
 HOLLYLAND (CHINA) ELECTRONICS TECHNOLOGY CORPORATION LIMITED	PRODUCT SPECIFICATION	ISSUED DATE: 2013/4/22	2013/4/22
	HC10SR RoHS SERIES	REV. NO.: A02 DOC. NO.: HLD-PSI-1004 PAGE : Page 1 of 5	

制定 PREPARED BY		审核 CHECKED BY		批准 APPROVED BY	
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1. 适用范围/ SCOPE

本规格书适用于本公司生产并获得 **cULus 认证** 的 HC10SR 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 HC10SR RoHS series with HOLLY® brand **which have been approved by cULus**.

产品部件号为:	<u>型号</u>	<u>额定电流</u>	<u>额定电压</u>
Construction of part no:	<u>type</u>	<u>rated current</u>	<u>rated voltage</u>
例如 For Example:	10SR	10	U6

* 额定电压 Rated voltage: U6 - 600V~

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	
10SR1U6	1 A	600V AC	10SR6.3U6	6.3 A	600V AC	
10SR1.25U6	1.25 A		10SR7U6	7 A		
10SR1.5U6	1.5 A		10SR7.5U6	7.5 A		
10SR1.6U6	1.6 A		10SR8U6	8 A		
10SR2U6	2 A		10SR9U6	9 A	600V AC	
10SR2.5U6	2.5 A		10SR10U6	10 A		
10SR3U6	3 A		10SR12U6	12 A		
10SR3.15U6	3.15 A		10SR15U6	15 A		
10SR3.5U6	3.5 A		10SR16U6	16 A		300V DC
10SR4U6	4 A		10SR20U6	20 A		
10SR5U6	5 A		10SR25U6	25 A		
10SR6U6	6 A		10SR30U6	30 A		

2. 相关标准 APPLICABLE STANDARDS

2.1 HC10SR RoHS 系列产品适用的相关标准是 UL248-1、UL248-4、CSA C22.2 NO.248.1-00、CSA C22.2 NO.248.4-00。


Applicable standards for HC10SR RoHS series are UL248-1、UL248-4、CSA C22.2 NO.248.1-00、CSA C22.2 NO.248.4-00.

2.2 认证情况 APPROVED DETAILS

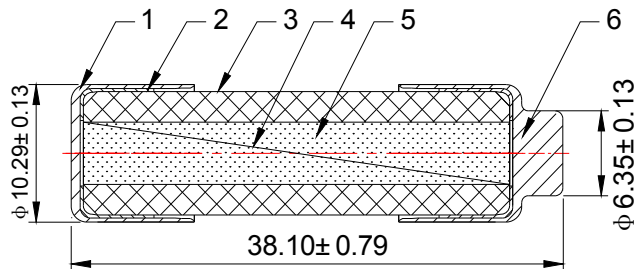
额定电压 Rated Voltage	cULus		备注 Remark
	认证范围 Approved Range	认证号码 Cert. No.	
600V AC	1A~30A	E346810	/
300V DC	9A~30A	E346810	/

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.

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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、6	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	玻璃纤维线+金属丝 Glass Fiber+ Metal Wire	
		金属片& Metal Sheet	
5	石英砂 Quartz Sand	二氧化硅 Silicon Dioxide	

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 $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$ 条件下进行。

All electrical tests are conducted at a ambient temperature of $25 \pm 5^{\circ}\text{C}$.

5.2 负载能力测试 CURRENT-CARRYING CAPACITY TEST

当保险丝通以100%倍额定电流的条件下进行测试时，在4小时内电路不应断开，保险丝不被电流熔断，管体不破裂。

A fuse-link shall carry 100% of rated current for 4 hours, 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，测量保险丝表面的温度，保险丝表面的温度上升必须等于或低于 75°C 。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 reaches. The temperature rise on the surface of each fuse shall be 75°C or less.

Note: Temp. rise = fuse temp. - room temp.

5.4 时间-电流特性 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, 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.

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熔断电流/ % of Rated Current		熔断时间/ Open Time	
		100mA-3A	3.15A-30A
110%		15 minutes, Minimum	15 minutes, Minimum
135%		1 hour Max.	1 hour Max
200%	最快 Min.	5S	12S
	最慢 Max.	120S	120S

5.5 分断能力BREAKING CAPACITY

保险丝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，保险丝及其部件可以改变颜色或者裂缝，但保险丝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 before its removal from the fuse-carrier or test rig, and the insulation resistance of both two terminals shall be not less than 0.1MΩ.

额定电流 Rated Current	分断电流 Breaking Current
100mA-30A	600V AC 200KA
9A-30A	300V DC 10kA

5.6 截断电流和熔断I²T特性Peak let-through current and clearing I²t characteristics

最大截断电流和熔断I²T应符合表A要求：Maximum values of peak let-through current and clearing I²t are given in the following Table.

额定 电流 (A) Current rating (A)	Between threshold and 50 kA 分断电流50kA		At 100 kA 分断电流 100kA		At 200 KA 分断电流200kA	
	Peak let-through current, A 截断电流 (A)	I ² t, ampere squared Seconds 熔断I ² t,	Peak Let-through current, A 截断电流 (A)	I ² t, ampere squared Seconds 熔断I ² t,	Peak let-through current, A 截断电流 (A)	I ² t, ampere squared Seconds 熔断I ² t,
0 – 15	3 000	2 000	3 000	2 000	4 000	3 000
16 – 20	3 000	2 000	4 000	3 000	5 000	3 000
21 – 30	6 000	7 000	7 500	7 000	12 000	7 000

5.7 电阻测试COLD RESISTANCE TEST

环境温度为25±5℃，测试电流不大于保险丝额定电流的10%。

Input less than or equal to 10% rated current of fuse-link to fuse for cold resistance test at the ambient temperature of 25±5℃.

6.产品标志MARKING

6.1 保险丝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 每个保险丝应标有下列标记：The symbol for every fuse shall be as prescribed below:

6.2.1 商标Trade mark: HOLLY®

6.2.2 额定电流Rated current:

6.2.3 额定电压Rated voltage:

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6.2.4 CC级保险丝标识Class cc fuse mark: CLASS CC

6.2.5 延时型标识Time Delay mark: Time Delay

6.2.6 分断能力Breaking capacity: IR=200kA

6.2.7 型号标识Type mark: HC10SR

6.2.8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=78×52×11.5mm。

7.1.2 外箱参考尺寸External Carton Size: 长×宽×高length × width × height=290×250×200mm。

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

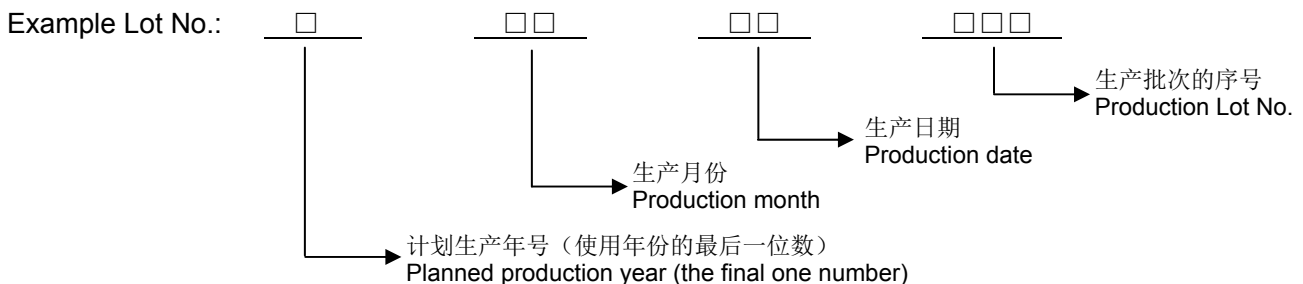
Packing Details: 10EA/small box;10 small boxes / Film bag;20 Film bags /exported carton.

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:



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.



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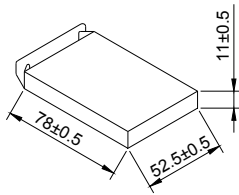
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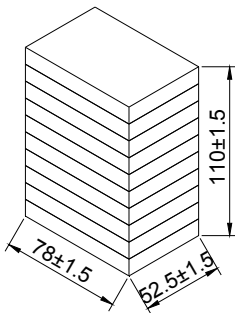
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包装方式Packing

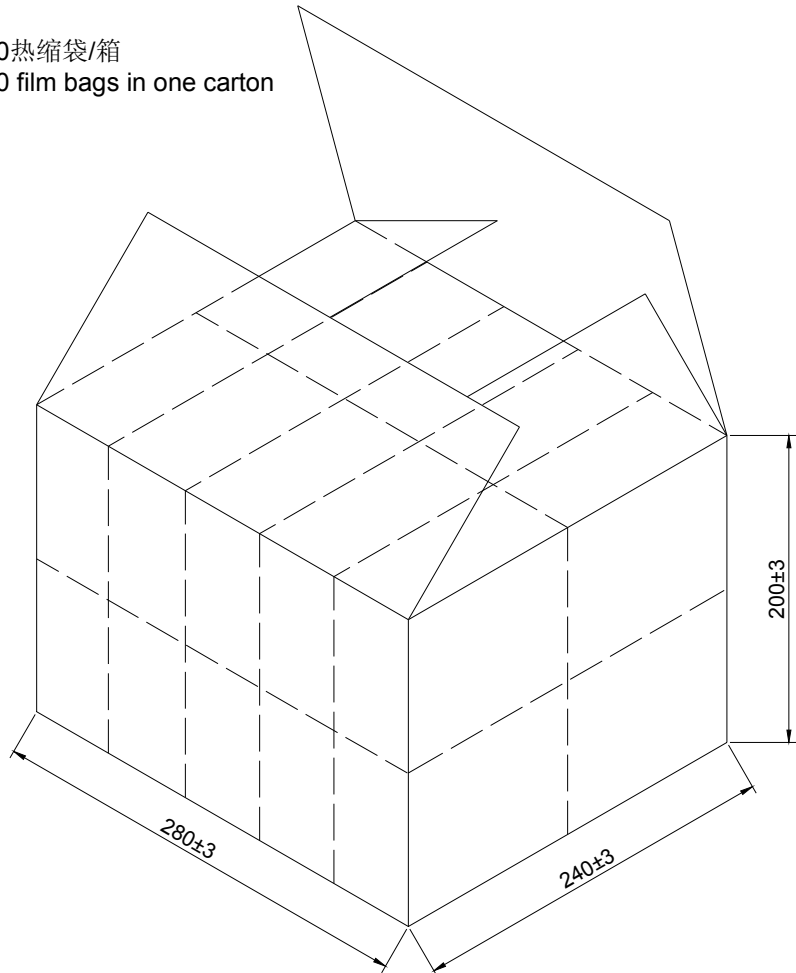
10EA/小盒
10EA fuses in one small
box



10小盒/热缩袋
10 small boxes in one film bag



20热缩袋/箱
20 film bags in one carton



1、重量Weight

一个外箱（装满2,000E个保险丝）毛重 23.0kg 净重21.4kg。

One external carton (filled with 2,000EA fuse-links) G.W. 23.0Kgs/N.W. 21.4Kgs.

2、原材料 Raw material

小盒 small box: 纸板 Cardboard。

热缩袋 film bag: POF

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

3、印刷标记 Printing and marking

外箱需有公司名称、电话、传真、电子邮箱、网址、商标、安全认证、RoHS, BSI ISO9001:2000 和 CQC ISO14001: 2004 等标志。

Carton should be marked company name, Tel, Fax, E-mail, Website, Trademark, Safety approval logo, RoHS, BSI ISO9001:2000 and CQC ISO14001:2004 registered firm etc..