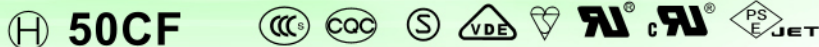




专利号 PATENT NO.: ZL 02220684.1



H 50CF 高分断能力瓷保险丝管(速断型) HIGH BREAKING CAPACITY CERAMIC TUBE FUSE (QUICK-ACTING)

目录编号 CATALOG NO.	额定电流 CURRENT RATING	最大电压降 (mv) MAX. VOLTAGE DROP	安全认证 SAFETY APPROVALS							I ² T 参考值 REFERENCE (A ² ·Sec.) (RoHS)
			CCC	CQC	SEIKO	VDE	UR/CUR	BSI	PSE	
50CF-0250H	250mA	2800	●	●	●	●	●	●	○	0.029
50CF-0315H	315mA	2500	●	●	●	●	●	●	○	0.053
50CF-0400H	400mA	2000	●	●	●	●	●	●	○	0.093
50CF-0500H	500mA	1800	●	●	●	●	●	●	○	0.156
50CF-0630H	630mA	1500	●	●	●	●	●	●	○	0.281
50CF-0800H	800mA	1200	●	●	●	●	●	●	○	0.191
50CF-010H	1A	1000	●	●	●	●	●	●	○	0.319
50CF-013H	1.25A	800	●	●	●	●	●	●	○	0.563
50CF-016H	1.6A	600	●	●	●	●	●	●	○	1.076
50CF-020H	2A	500	●	●	●	●	●	●	○	2.655
50CF-025H	2.5A	400	●	●	●	●	●	●	○	2.288
50CF-032H	3.15A	350	●	●	●	●	●	●	○	4.467
50CF-040H	4A	300	●	●	●	●	●	●	○	9.20
50CF-050H	5A	250	●	●	●	●	●	●	○	16.90
50CF-063H	6.3A	200	●	●	●	●	●	●	○	36.00
50CF-080H	8A	200	●	●	●	●	●	●	○	72.44
50CF-100H	10A	200	●	●	●	●	●	●	○	140.0
50CF-120H	12A	200	●	●	●	●	●	●	○	228.6
50CF-125H	12.5A	200	●	●	●	●	●	●	○	261.8
50CF-150H	15A	200	●	●	●	●	●	●	○	481.8
50CF-160H	16A	200	●	●	●	●	●	●	○	571.0

- H DENOTES FOR 250V (H 表示 250V)
- DENOTES FOR APPROVED (● 表示已取得认证)
- DENOTES FOR PENDING (○ 表示申请中)

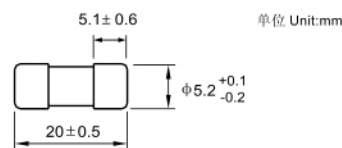
分断能力:
BREAKING CAPACITY:
1,500 amperes at 250V AC

电气特性 ELECTRICAL CHARACTERISTICS:

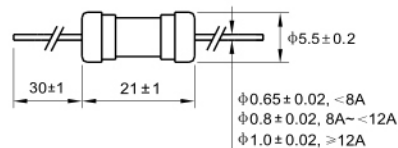
额定 RATING		熔断时间 BLOWING TIME			
		250mA-4A	5A-6.3A	8A-10A	> 10A
2.1In	最慢 Max.	30 minutes	30 minutes	30 minutes	30 minutes
	最快 Min.	10ms	10ms	40ms	40ms
2.75In	最慢 Max.	2 seconds	3 seconds	20 seconds	30 seconds
	最快 Min.	3ms	3ms	10ms	10ms
4In	最慢 Max.	300ms	300ms	1 second	1s
	最快 Min.	20ms	20ms	30ms	40ms



50CF

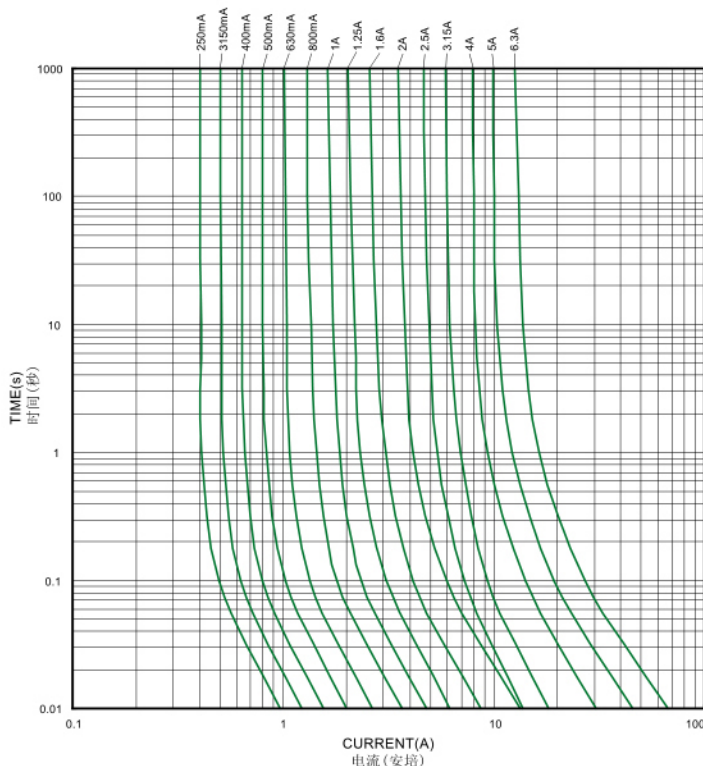


50CF(P)




50CF 平均 I-T 曲线图 (仅供参考)

50CF AVERAGE I-T CHARACTERISTICS CURVE (FOR REFERENCE)



HOLLY FUSE
好利® 保险丝管

 Hollyland Cop., Ltd. 廈門寧利電子有限公司	PRODUCT SPECIFICATION	ISSUED DATE:	2007/3/22
	50CF(P) RoHS SERIES	REV. NO.:	A02
		DOC. NO.:	NLD-PSI-135
		PAGE:	Page 1 of 9

制定 PREPARED BY	Ken Wu	审核 CHECKED BY	James Su	批准 APPROVED BY	Henry Huang
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1 适用范围/ SCOPE

本规格书适用于公司按照 IEC 60127 标准生产的 50CF(P) RoHS 系列 HOLLY® 商标的小型保险丝管。

This specification defines the technical requirements of miniature fuse type 50CF(P) RoHS series with HOLLY® brand, which are according to IEC 60127.

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/ Example 50CF(P) 020 H

* 额定电压/ Voltage Rating H - 250V

产品部件号/ PART NUMBER

PART NUMBER	额定电流 RATED CURRENT	额定电压 RATED VOLTAGE	PART NUMBER	额定电流 RATED CURRENT	额定电压 RATED VOLTAGE
50CF(P)0100H	100mA	250V	50CF(P)020H	2 A	250V
50CF(P)0125H	125mA		50CF(P)025H	2.5 A	
50CF(P)0160H	160mA		50CF(P)032H	3.15 A	
50CF(P)0200H	200mA		50CF(P)040H	4 A	
50CF(P)0250H	250mA		50CF(P)050H	5 A	
50CF(P)0315H	315mA		50CF(P)063H	6.3 A	
50CF(P)0400H	400mA		50CF(P)080H	8 A	
50CF(P)0500H	500mA		50CF(P)100H	10 A	
50CF(P)0630H	630mA		50CF(P)120H	12 A	
50CF(P)0800H	800mA		50CF(P)125H	12.5 A	
50CF(P)010H	1 A		50CF(P)150H	15 A	
50CF(P)013H	1.25 A		50CF(P)160H	16 A	
50CF(P)016H	1.6 A				

2 相关标准/ APPLICABLE STANDARDS


2.1 50CF(P) RoHS 系列产品适用的相关标准是 IEC 60127 和 GB 9364。

Applicable standards for 50CF(P) RoHS series are IEC 60127 and GB 9364.

2.2 认证情况/ APPROVED DETAILS

额定电压 RATED VOLTAGE	CCC		CQC		VDE	
	认证范围 APPROVED RANGE	认证号码 CERT. NO.	认证范围 APPROVED RANGE	认证号码 CERT. NO.	认证范围 APPROVED RANGE	认证号码 CERT. NO.
250V	250mA~6.3A	200601020719 4847	8A, 10A	CQC06012017 419	250mA~6.3A;	40020380
额定电压 RATED VOLTAGE	SEMKO		UR/CUR		BSI	
	认证范围 APPROVED RANGE	认证号码 CERT. NO.	认证范围 APPROVED RANGE	认证号码 CERT. NO.	认证范围 APPROVED RANGE	认证号码 CERT. NO.
250V	250mA~6.3A; 8A;10A	712815	250mA~16A	E156471	250mA~10A	KM52652

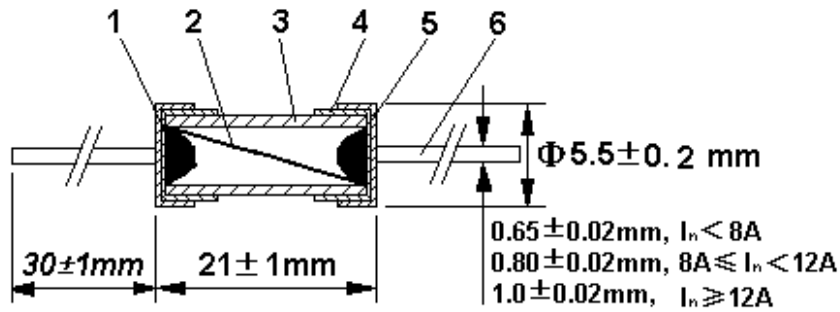
3 公司地址/ ADDRESS

 Hollyland Cop., Ltd. 廈門寧利電子有限公司	PRODUCT SPECIFICATION	ISSUED DATE: 2007/3/22	A02
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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



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 $I_n < 8A$
		含铅高温焊锡/ Pb Contained High Temperature Solder	额定电流 $I_n \geq 8A$
2	可熔体/ Element	金属丝/ Metal Wire	/
3	管体/ Tube	陶瓷管/ Ceramic Tube	灌砂/ Filled Sand
4	铜帽/ Cap	黄铜/ Brass	镀镍/ Nickel Plated
5	尾线铜帽 Cap with Pig Tail	黄铜/ Brass	镀镍/ Nickel Plated
6	尾线/ Pig Tail	镀锡铜线/ Tin Plated Copper	镀锡/ Tin Plated

4.1 陶瓷管/ CERAMIC TUBE

陶瓷管无破裂、缺损或污染等现象。

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

4.2 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°C-35°C 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°C and 35°C. After remove from the water, an axial pull steadily increasing to 5N is applied to each cap for 1 minute.

4.3 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 tube, element in view and outer surface of caps.

5 电气特性/ ELECTRICAL PERFORMANCES

5.1 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



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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 125mA 160mA 200mA	250	7,000 5,000 4,300 3,500	1.6	
250mA 315mA 400mA 500mA 630mA 800mA 1A		2,800 2,500 2,000 1,800 1,500 1,200 1,000		2.5
1.25A 1.6A 2A 2.5A 3.15A 4A 5A 6.3A 8A 10A		800 600 500 400 350 300 250 200 200 200	4	
12A 12.5A 15A		200		
16A 20A		200		8

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

额定电流 Rated Current	2.1I _n	2.75I _n		4I _n		10I _n
	Max.	Min.	Max.	Min.	Max.	Max.
100mA-4A	30min.	10ms	2sec.	3ms	300ms	20ms
>4A-6.3A	30min.	10ms	3sec.	3ms	300ms	20ms
>6.3A-10A	30min.	40ms	20sec.	10ms	1s	30ms
>10A	30min.	40ms	30sec.	10ms	1s	40ms

5.3 分断能力/ INTERRUPTING CAPACITY

额定分断能力为:1500A(A.C.)。

Rated breaking capacity is 1500A, tested with A.C..

5.4 耐久性试验/ ENDURANCE TEST

耐久性试验过程下/ The process of endurance test is as follows

A 对熔断体通过 1.2 倍的额定电流 1 小时, 然后切断电流 15 分钟, 重复此循环 100 次。/ A current 1.2I_n is passed through the fuse-link for a period of 1hour. The current is then switched off for a period of 15 minutes. The cycle is repeated 100 times.

B然后对熔断体通以 1.5 倍额定电流 1 小时。/ A current 1.5I_n is then passed through the fuse-link for 1hour.

C 测量熔断体两端的电压降。试验后, 熔断体两端的电压降的增大量不大于试验前测得值的 10%。/ Finally, the voltage drop across the fuse-link is measured. The voltage drop across the fuse-link after the test shall not have increased by more than 10% of the Value measured before the test.

D 试验后, 标记仍应清晰可辨, 而且诸如端帽上的焊点不应出现任何明显的劣变。/ After the test, the marking shall still be legible and soldered joints on end caps, for example, shall not show and appreciable deterioration.



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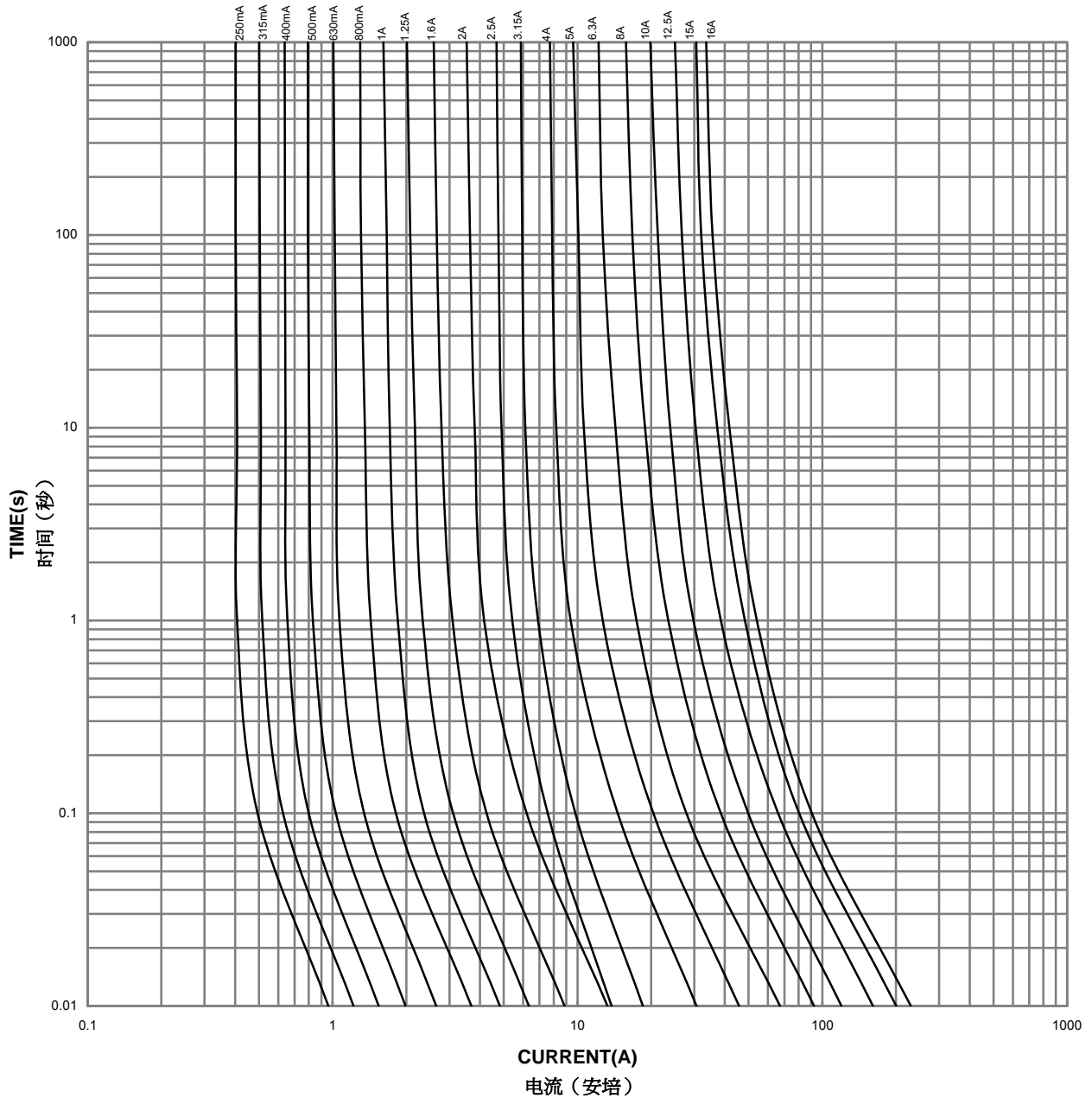
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5.5 I-T 曲线图/ I-T CHARACTERISTICS AVERAGE CURVE (FOR REFERENCE ONLY)

50CF(P) RoHS I-T CHARACTERISTICS CURVE

50CF(P) RoHS 电流-时间曲线图





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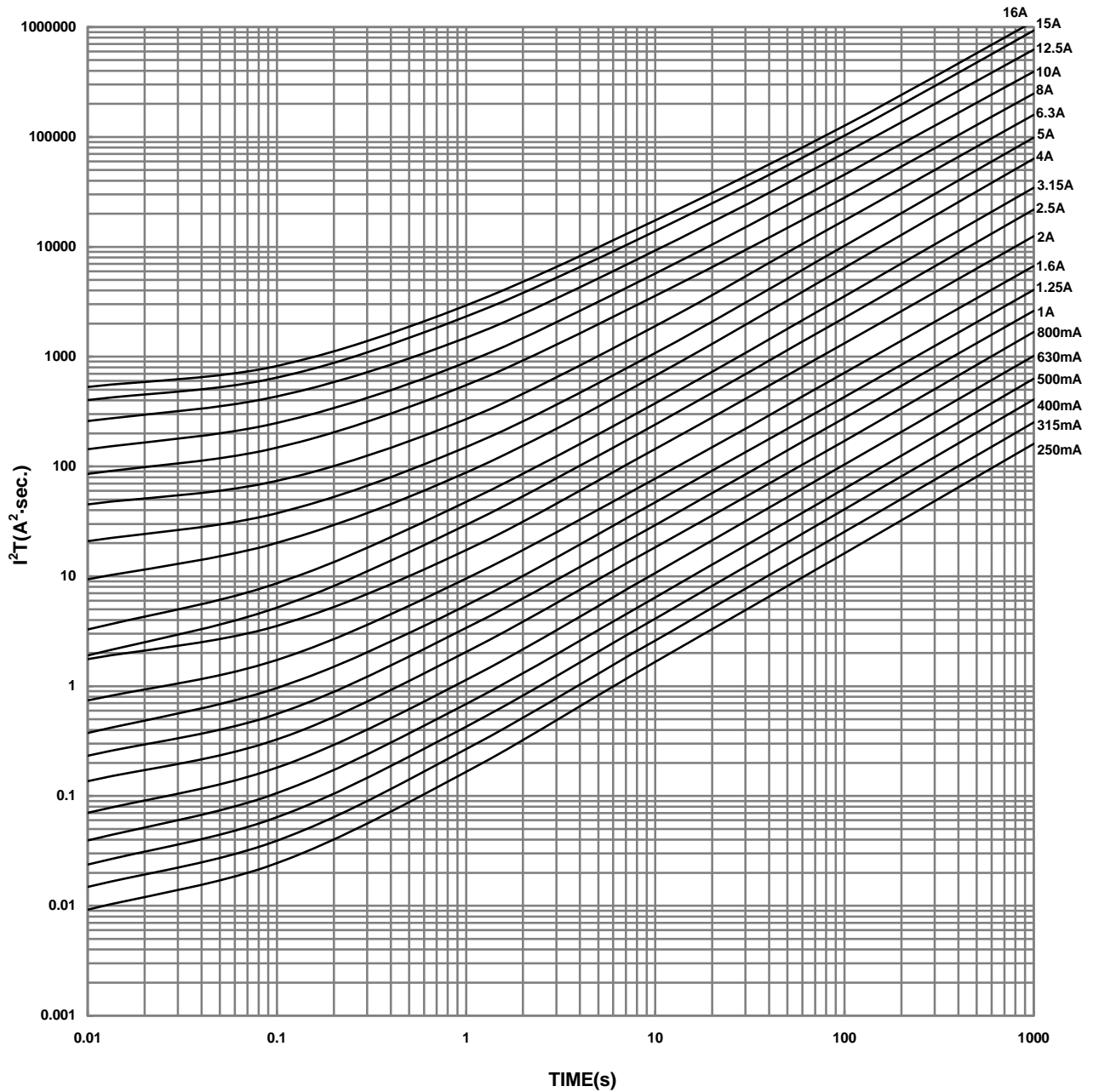
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5.6 I²T-T 曲线图/ I²T-T CHARACTERISTICS AVERAGE CURVE (FOR REFERENCE ONLY)

50CF(P) RoHS I²T-T CHARACTERISTICS CURVE



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5.7 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 $25 \pm 2^{\circ}\text{C}$.

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 the caps of the fuse and shall be easily visible.

6.2 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

安全认证标志/ Safety approval logo: 

型号名称/ Type: 50CF

- 1) 商标/ Trademark: 
- 2) 额定电流、电压/ Rated Current & Voltage
- 3) 特性符号/ Characteristic Symbol: F
- 4) 分断能力符号/ Breaking Capacity Symbol: H

注: 1)、2) 和 3)应标注在保险丝管一端铜帽的侧面。

Note: 1), 2) and 3) should be marked on the one side cap of the fuse.

4)、5) 和 6)应标注在保险丝管另一端铜帽的侧面。

4), 5) and 6) should be marked on the other side cap of the fuse.

7 包装要求/ PACKING DETAILS

7.1 外箱包装方式/ External Carton Packing

7.1.1 包装方式 A/ Packing Mode A

7.1.1.1 参考尺寸: 长×宽×高=355×295×260mm。

Reference Dimension: length×width×height=355×295×260mm.

7.1.1.2 包装要求: 100 个/ 小塑料袋; 25 小塑料袋/ 大塑料袋; 4 大塑料袋/ 每箱。

Packing Details: 100EA/ little plastic-bag; 25 little plastic-bags/big plastic-bag; 4big plastic-bags/ External Carton.

7.1.2 包装方式 B/ Packing Mode B

7.1.2.1 参考尺寸: 长×宽×高=375×245×165mm。

Reference Dimension: length×width×height=375×245×165mm.

7.1.2.2 包装要求: 100 个/小塑料袋; 5 小塑料袋/盒; 10 盒/ 每箱。

Packing Details: 100EA/ 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。

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

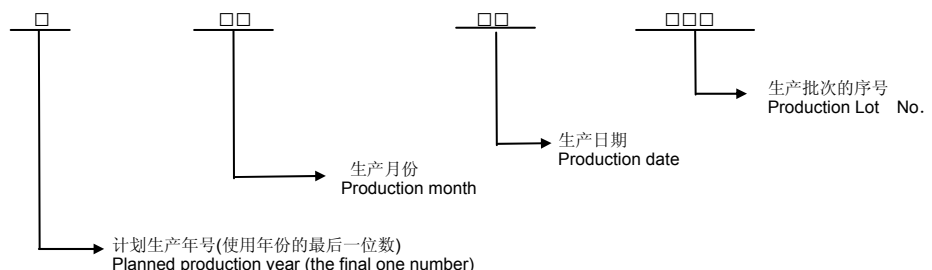
7.2 标签/ Label:


标签应包括: 型号、额定电流、额定电压、额定分断电流、商标、安全标志、批量号码、公司名称、RoHS 标志、绿色“G”、绿色“e”(仅无铅产品)和“QA”标志。

The label in the smallest package in which the fuses are put shall contain the Type, Rated current, Rated voltage, Interrupting current, Trademark, Safety approval logo, Lot. No., Company name, “RoHS” mark, green “G”, green “e”(only Pb free products), and “QA” mark.

例批量号

Example Lot No. :



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8 环境参数/ ENVIRONMENTAL PARAMETERS

8.1 工作温度/ Operating Temperature: -55℃~125℃.

8.2 储存温度/ Storage Temperature: -55℃~85℃.

9 信赖性试验/ RELIABILITY TEST

项目/ Item	试验要求/ Test Requirement	试验条件/ Test Condition
高温试验 High Temperature Test	试验后保险丝管的电阻符合范围；电气特性符合：210% ≤30 分、150%≥1 小时。 After high temperature test, the resistance value of the fuses shall be in range. Electrical Characteristics:210% ≤30minutes, 150%≥1hour.	测试温度：105±2℃，测试时间：1000 小时。 Test Temperature: 105 ± 2℃, Test Time: 1000hours.
低温试验 Low Temperature Test	试验后保险丝管的电阻符合范围；电气特性符合：210% ≤30 分、150%≥1 小时。 After low temperature test, the resistance value of the fuses shall be in range. Electrical Characteristics:210% ≤30 minutes, 150%≥1hour.	测试温度：-20±2℃，测试时间：1000 小时。 Test Temperature: -20 ± 2℃, Test Time: 1000hours.
高湿试验 High Humidity Test	试验后保险丝管的电阻符合范围；电气特性符合：210% ≤30 分、150%≥1 小时。 After high humidity test, the resistance value of the fuses shall be in range. Electrical Characteristics: 210% ≤30minutes, 150%≥1hour.	测试温度：40±2℃，测试湿度： 90%~95%，测试时间：96 小时。 Test Temperature: 40 ± 2℃, Test Humidity: 90%~95%, Test Time: 96hours.
热冲击试验 Thermal Shock Test	试验后保险丝管的电阻符合范围；电气特性符合：210% ≤30 分、150%≥1 小时。 After thermal shock test, the resistance value of the fuses shall be in range. Electrical Characteristics: 210% ≤30minutes, 150%≥1hour.	每个循环：-40℃放置 30 分钟后室温 25℃放置 5 分钟再放置 85℃ 30 分钟 最后放置室温 25℃ 5 分钟，测试 10 循环。 -40℃/ 30minutes→25℃/ 5minutes → 85℃ / 30minutes → 25℃ / 5minutes,10 cycles./5mins, 10 cycles.
落下、冲击试验 Falling Shock Test	铜帽应固定牢固,以保证在未损坏熔断体时,铜帽不能被卸 下。铜帽表面镀层应牢固不易脱落,每个端帽应能经受专 用的设备外加的轴向拉力 5N, 保持 1 分钟。陶瓷管必须 无缺陷破裂和缺损。试验后保险丝管的电阻符合范围；电 气特性符合：210%≤30 分、150%≥1 小时。 Cap should be firmly attached so that it is not possible to remove them without damaging the fuse itself. The means of attachment shall be sufficient to withstand an axial pull of 5N applied to each cap for 1 minute. The cap shall be nickel plated firmly. The ceramic tube shall have no defects such as crack and injury. After falling shock test, the resistance value of the fuses shall be in range. Electrical Characteristics: 210% ≤ 30minutes, 150%≥1hour.	一箱 5,000 个或 10,000 个保险丝管从 一米高自由落下, 跌落 20 次。 5,000EA or 10,000EA fuses/ one external carton, Falling Height: 1 meter, Falling Times: 20.



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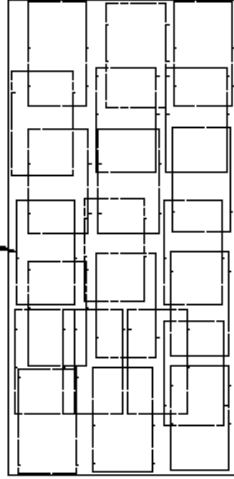
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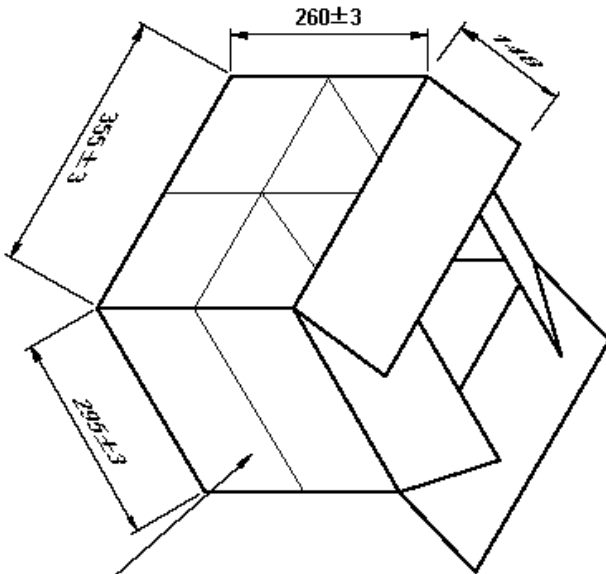
包装方式 A
Packing Mode A

大塑料袋
Big Plastic-Bag



100 个/小塑料袋, 25 个小塑料袋/大塑料袋
100 EA/ little plastic-bag, 25 little plastic-bag/ big plastic-bag
2,500 个/大塑料袋
2,500 EA/ big plastic-bag

外箱
External Carton




4 个大塑料袋/箱
4 EA 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 17.7 公斤/净重 17 公斤。
One external carton (filled with 10,000 EA fuses) G.W. 17.7Kgs/ N.W. 17Kgs.

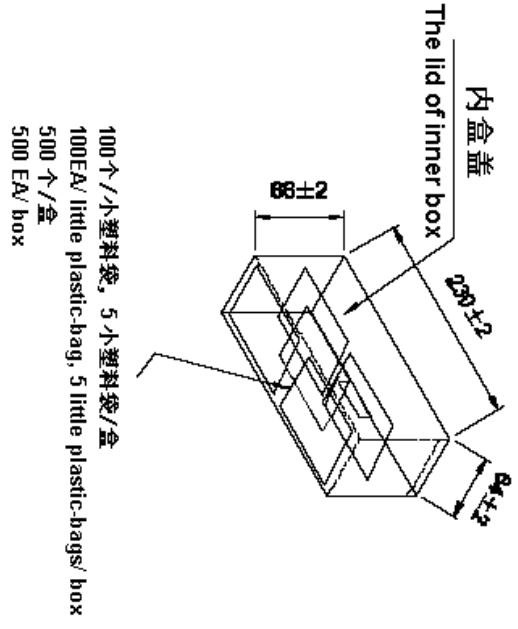
2 原材料 Material

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

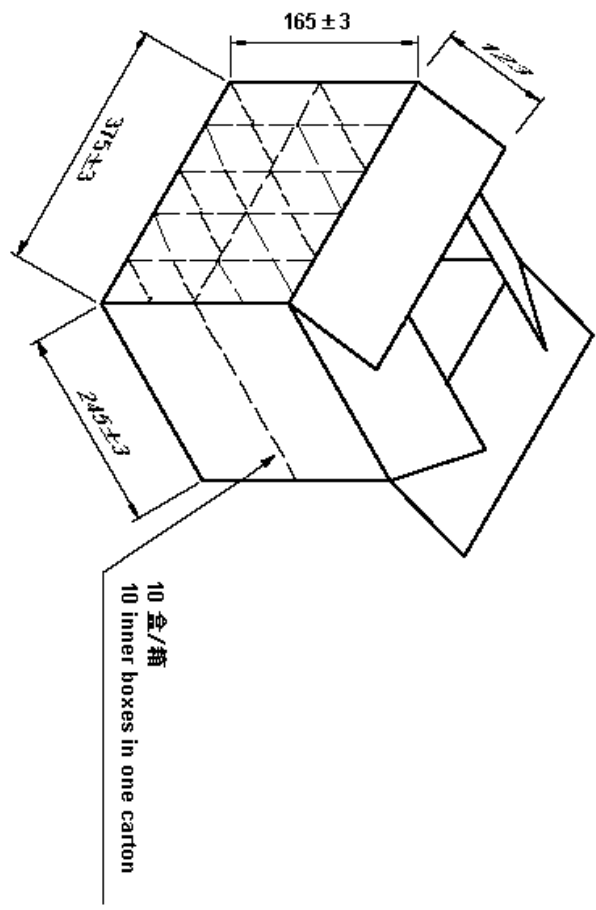
 <p>Hollyland Cop., Ltd. 廈門寧利電子有限公司</p>	<p>PRODUCT SPECIFICATION</p>	<p>ISSUED DATE: 2007/3/22</p> <p>REV. NO.: A02</p> <p>DOC. NO.: NLD-PSI-135</p> <p>PAGE: Page 9 of 9</p>
	<p>50CF(P) RoHS SERIES</p>	

包装方式 B
Packing Made B

内盒
Inner Box



外箱
External Carton



1 重量 Weight

一个外箱 (装满 5,000 个保险丝管) 毛重 9.7 公斤 / 净重 8.5 公斤。
One external carton (filled with 5,000 EA fuses) G.W. 9.7Kgs/ N.W. 8.5Kgs.

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, 安全认证, BSI ISO9001 等标志。
External carton with Company name, Tel, Fax, E-mail, Web site, Trade mark, Safety approved logo, BSI ISO9001 registered firm etc..



JDYX8.E156471

Fuses, Supplemental Certified for Canada - Component

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Fuses, Supplemental Certified for Canada - Component

[See General Information for Fuses, Supplemental Certified for Canada - Component](#)

HOLLYLAND CO LTD
 ENTERPRISE SQUARE THREE
 UNIT 5 29TH FL 39 WANG CHIU RD
 KOWLOON BAY
 KOWLOON, HONG KONG

E156471

Miniature cartridge fuses:

Model No./Cat. No.	Amps	V
5RT	100 mA-6.3 A	250 Vac
5ET	100 mA-6.3 A	250 Vac
20N	100mA-315mA	30A, 250 Vac
	3.15A-10A	30A, 125 Vac/250Vac
	12A, 15A	30A, 72 Vac
	20A	50A, 60 Vdc
41NM, 41NM(P)	300mA-5A	50A, 300 Vac
	300mA-5A	500A, 125 Vac
	2.5A-5A	100A, 250 Vac
	300mA-2.25A	50A, 250 Vac
	15 A	300 V ac
20T	100mA-7A	125/250 Vac
65TS	20-25A	125/250 Vac
65TS(P)	20-30A	125/250 Vac
41S	4-10 A	125/250 V ac
42S/41S(P)	4-10 A	125/250 V ac
65NM, 65NM(P)	20, 25 and 30 A	125/250 V ac
50CT	0.200 - 15 A	250 V ac
Micro Fuses		
30TS	0.200-1.6 A	350 Vac

Miscellaneous, miniature and micro fuses

Cat. No.	Size	Amps	V ac	Interrupting Rating (kA)
2N0100L	5.7 by 2.2 by 2.2 mm	0.1	125	0.05
2N0125L	5.7 by 2.2 by 2.2 mm	0.125	125	0.05
2N0160L	5.7 by 2.2 by 2.2 mm	0.16	125	0.05
2N0200L	5.7 by 2.2 by 2.2 mm	0.2	125	0.05
2N0250L	5.7 by 2.2 by 2.2 mm	0.25	125	0.05
2N0315L	5.7 by 2.2 by 2.2 mm	0.315	125	0.05
2N0375L	5.7 by 2.2 by 2.2 mm	0.375	125	0.05
2N0400L	5.7 by 2.2 by 2.2 mm	0.4	125	0.05

2N0500L	5.7 by 2.2 by 2.2 mm	0.5	125	0.05
2N0630L	5.7 by 2.2 by 2.2 mm	0.63	125	0.05
2N0750L	5.7 by 2.2 by 2.2 mm	0.75	125	0.05
2N0800L	5.7 by 2.2 by 2.2 mm	0.8	125	0.05
2N010L	5.7 by 2.2 by 2.2 mm	1	125	0.05
2N013L	5.7 by 2.2 by 2.2 mm	1.25	125	0.05
2N015L	5.7 by 2.2 by 2.2 mm	1.5	125	0.05
2N016L	5.7 by 2.2 by 2.2 mm	1.6	125	0.05
2N020L	5.7 by 2.2 by 2.2 mm	2	125	0.05
2N025L	5.7 by 2.2 by 2.2 mm	2.5	125	0.05
2N030L	5.7 by 2.2 by 2.2 mm	3	125	0.05
2N032L	5.7 by 2.2 by 2.2 mm	3.15	125	0.05
2N035L	5.7 by 2.2 by 2.2 mm	3.5	125	0.05
2N040L	5.7 by 2.2 by 2.2 mm	4	125	0.05
2N050L	5.7 by 2.2 by 2.2 mm	5	125	0.05
2N063L	5.7 by 2.2 by 2.2 mm	6.3	125	0.05
2N070L	5.7 by 2.2 by 2.2 mm	7	125	0.05
2N080L	5.7 by 2.2 by 2.2 mm	8	125	0.05
2N100L	5.7 by 2.2 by 2.2 mm	10	125	0.05
2N120L	5.7 by 2.2 by 2.2 mm	12	65	0.05
2N150L	5.7 by 2.2 by 2.2 mm	15	65	0.05
50CF, 50CF(P)	5.2 by 20 mm	250 mA - 16 A	250Vac 250 V dc	1500 A 1000 A
5RF	8.3 by 7.8 mm	315 mA - 3.15 A 4A 5A 6.3A	250 V ac 250 V ac 250 V ac 250 V ac	35A 40A 50A 63A
5EF	8.5 by 8.3 by 4 mm	315 mA - 3.15 A 4A 5A 6.3A	250 V ac 250 V ac 250 V ac 250 V ac	35A 40A 50A 63A
12F	3.2 by 1.5 by 1.6 mm	100 mA-0.375 A	32 Vac 63 Vdc	50A
12T	—	100 mA-0.375 A	63 Vac/dc	50A
12F/12T	—	0.4 A-3.0 A	63 Vac/dc	50A
12F/12T	—	3.15 A-7 A	24 Vac 32 Vdc	35A 50A
HC10aR	10.3 by 38 mm	250 mA - 32.0 A	500 Vac 690 Vac 1000 Vac 500 Vdc 690 Vdc 1000 Vdc	120 80 50 120 50 30



Marking: Company name, catalog designation and Recognized Component Mark of Canada

Last Updated on 2008-07-09

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JDYX2.E156471 Fuses, Supplemental - Component

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Fuses, Supplemental - Component

[See General Information for Fuses, Supplemental - Component](#)

HOLLYLAND CO LTD
ENTERPRISE SQUARE THREE
UNIT 5 29TH FL 39 WANG CHIU RD
KOWLOON BAY
KOWLOON, HONG KONG

E156471

Miniature cartridge fuses, Cat. Nos. 53S, 54S.

Model No./Cat. No.	Amps	V
5RT	100 mA-6.3 A	250 Vac
5ET	100 mA-6.3 A	250 Vac
51S, 51S(P), 53S, 54S	6-8A	125 Vac
	3-8A	250 Vac
50T	0.125-15A	250 Vac
50F	0.2-6.3A	250 Vac
41NM, 41NM(P)	300mA-5A	50A, 300 Vac
	300mA-5A	500A, 125 Vac
	2.5A-5A	100A, 250 Vac
	300mA-2.25A	50A, 250 Vac
	15 A	300 V ac
51MS, 51MS(P)	2-8A	100A, 250 Vac
51NM, 51NM(P)	3-8A	100A, 250 Vac
20N	3.15A-10A	30A, 125 Vac/250Vac
	100mA-315mA	30A, 250 Vac
	12A-15A	30A, 72 Vac
	20A	50A, 60 Vdc
20T	100mA-7A	125/250Vac
65TS	20-25A	125/250 Vac
65TS(P)	20-30A	125/250 Vac
50CT	0.200-15 A	250 V ac
41S	4-10 A	125/250 V ac
42S/41S(P)	4-10 A	125/250 V ac
65NM, 65NM(P)	20, 25 and 30 A	125/250 V ac
50CT	0.200 - 15 A	250 V ac
Micro Fuses		
30TS	0.200-1.6 A	350 Vac

(P) - Pigtail leads. The following models are identical to each other except for the model numbers: 41NM(P) and 42NM; 51NM(P) and 52NM; 51MS (P) and 52MS

Miscellaneous, miniature and micro fuses

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Cat. No.	Size	Amps	V ac	Interrupting Rating (kA)
2N0100L	5.7 by 2.2 by 2.2 mm	0.1	125	0.05
2N0125L	5.7 by 2.2 by 2.2 mm	0.125	125	0.05
2N0160L	5.7 by 2.2 by 2.2 mm	0.16	125	0.05
2N0200L	5.7 by 2.2 by 2.2 mm	0.2	125	0.05
2N0250L	5.7 by 2.2 by 2.2 mm	0.25	125	0.05
2N0315L	5.7 by 2.2 by 2.2 mm	0.315	125	0.05
2N0375L	5.7 by 2.2 by 2.2 mm	0.375	125	0.05
2N0400L	5.7 by 2.2 by 2.2 mm	0.4	125	0.05
2N0500L	5.7 by 2.2 by 2.2 mm	0.5	125	0.05
2N0630L	5.7 by 2.2 by 2.2 mm	0.63	125	0.05
2N0750L	5.7 by 2.2 by 2.2 mm	0.75	125	0.05
2N0800L	5.7 by 2.2 by 2.2 mm	0.8	125	0.05
2N010L	5.7 by 2.2 by 2.2 mm	1	125	0.05
2N013L	5.7 by 2.2 by 2.2 mm	1.25	125	0.05
2N015L	5.7 by 2.2 by 2.2 mm	1.5	125	0.05
2N016L	5.7 by 2.2 by 2.2 mm	1.6	125	0.05
2N020L	5.7 by 2.2 by 2.2 mm	2	125	0.05
2N025L	5.7 by 2.2 by 2.2 mm	2.5	125	0.05
2N030L	5.7 by 2.2 by 2.2 mm	3	125	0.05
2N032L	5.7 by 2.2 by 2.2 mm	3.15	125	0.05
2N035L	5.7 by 2.2 by 2.2 mm	3.5	125	0.05
2N040L	5.7 by 2.2 by 2.2 mm	4	125	0.05
2N050L	5.7 by 2.2 by 2.2 mm	5	125	0.05
2N063L	5.7 by 2.2 by 2.2 mm	6.3	125	0.05
2N070L	5.7 by 2.2 by 2.2 mm	7	125	0.05
2N080L	5.7 by 2.2 by 2.2 mm	8	125	0.05
2N100L	5.7 by 2.2 by 2.2 mm	10	125	0.05
2N120L	5.7 by 2.2 by 2.2 mm	12	65	0.05
2N150L	5.7 by 2.2 by 2.2 mm	15	65	0.05
50CF, 50CF(P)	5.2 by 20 mm	250 mA - 16 A	250Vac 250 V dc	1500 A 1000 A
5RF	8.3 by 7.8 mm	315 mA - 3.15 A 4A 5A 6.3A	250 V ac 250 V ac 250 V ac 250 V ac	35A 40A 50A 63A
5EF	8.5 by 8.3 by 4 mm	315 mA - 3.15 A 4A 5A 6.3A	250 V ac 250 V ac 250 V ac 250 V ac	35A 40A 50A 63A
12F	3.2 by 1.5 by 1.6 mm	100 mA-0.375 A	32 Vac 63 Vdc	50A
12T	—	100 mA-0.375 A	63 Vac/dc	50A
12F/12T	—	0.4 A-3.0 A	63 Vac/dc	50A
12F/12T	—	3.15 A-7 A	24 Vac 32 Vdc	35A 50A
HC10aR	10.3 by 38 mm	250 mA - 32.0 A	500 Vac 690 Vac 1000 Vac 500 Vdc 690 Vdc 1000 Vdc	120 80 50 120 50 30

Marking: Company name or tradenames "HOLLY" or "H in a circle" and catalog designation.

Last Updated on 2008-07-09

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Certificate



for European Product Safety

Reference No. 712815


Miniature fuse-link

Type designation	50CF
Certificate holder	Hollyland Co Ltd Unit 5, 29/F, Enterprice Square Three, 39 Wang Chin Road, Kowloon Bay, Kowloon HONG KONG
The product complies with the standard(s)	EN 60127-2:2003+A1
Date of expiry	9 November 2011
EU Directive information	The product satisfies the provisions for CE marking according to the Low Voltage Directive 2006/95/EC.

Additional information in Appendix.

Certification Body Intertek Semko AB, Product Certification Place Kista - Stockholm

Signed


Niklas Larsson

Date 8 October 2007
Page 1 of 2



Appendix

Reference No. 712815

Technical data

Type designation 50CF
Rated voltage (V) AC 250 V
Rated current (A) 250; 315; 400; 500; 630; 800 mA
1; 1,25; 1,6; 2; 2,5; 3,15; 4; 5; 6,3; 8 and 10 A
Standard sheet 1
Brand name: Hollyland
Product information Quick-acting, high-breaking capacity. Size 5 x 20 mm.
With or without wire terminations.
The miniature fuse-links are Pb free and RoHS type according to manufacturer's declaration.

Manufacturing site(s) Xiamen Ningly Electronics Co., Ltd.
9th - 19th Fanghu Road
Huli, Xiamen
Fujian, 361009
CHINA

This certificate, which includes production control, is considered to constitute sufficient support for an EC Declaration of Conformity and CE marking of the product according to the Low Voltage Directive 2006/95/EC.

This certificate is based on CB Certificate with ref. No. CN8473 dated 9 November 2006, issued by China Quality Certification Centre (CQC), China.

Certification Body Intertek Semko AB, Product Certification Place Kista - Stockholm

Signed 
Niklas Larsson Date 8 October 2007

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Hollyland Co., Ltd.
Unit 5, 29/F, Enterprise Square Three
39 Wang Chiu Road
KOWLOON BAY
Kowloon
HONG KONG

ist berechtigt, für ihr Produkt /
is authorized to use for their product

G-Sicherungseinsatz
Cartridge fuse-link

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.



Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN 60127-1 (VDE 0820-1):2007-02; EN 60127-1:2006
DIN EN 60127-2 (VDE 0820 Teil 2):2004-04; EN 60127-2:2003 + A1:2003
IEC 60127-1(ed.2)
IEC 60127-2(ed.2);am1

VDE Prüf- und Zertifizierungsinstitut
VDE Testing and Certification Institute
Zertifizierungsstelle / *Certification*

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Aktenzeichen: 1913000-1170-0008 / 89604
File ref.:

Ausweis-Nr. 40020380 Blatt 1
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further conditions see overleaf and following pages

Offenbach, 2007-03-07
(letzte Änderung/updated 2007-11-14)

<http://www.vde.com/zertifikat>
<http://www.vde.com/certificate>

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
Hollyland Co., Ltd., Unit 5, 29/F, Enterprise Square Three, 39 Wang Chiu Road, KOWLOON BAY,
Kowloon, HONGKONG

Aktenzeichen / *File ref.*
1913000-1170-0008 / 89604 / FG31 / EUL

letzte Änderung / *updated* Datum / *Date*
2007-11-14 2007-03-07

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40020380.
This supplement is only valid in conjunction with page 1 of the Certificate No. 40020380.

G-Sicherungseinsatz *Cartridge fuse-link*

Typ(en) / *Type(s)*:

50CF

Bemessungsspannung <i>Rated voltage</i>	AC 250 V
Bemessungsstrom <i>Rated current</i>	250 mA; 315 mA; 400 mA; 500 mA; 630 mA; 800 mA; 1 A; 1,25 A; 1,6 A; 2 A; 2,5 A; 3,15 A; 4 A; 5 A; 6,3 A; 8 A; 10 A
Normblatt <i>Standard sheet</i>	1
Maße in mm <i>Dimension in mm</i>	5 x 20
Kennzeichnung der Charakteristik <i>Characteristic symbol</i>	F
Kennzeichnung des Ausschaltvermögens <i>Breaking capacity symbol</i>	H
Bemessungsausschaltvermögen <i>Rated breaking capacity</i>	1500 A
Zeit/Strom-Charakteristik <i>Time/current-characteristic</i>	flik <i>quick-acting</i>
Anmerkung <i>Remark</i>	Wahlweise mit Drahtanschlüssen (bis 6,3 A) <i>Optional with lead wires (pigtails up to 6,3 A)</i>

Fortsetzung siehe Blatt 3 /
continued on page 3

Name und Sitz des Genehmigungs-Inhabers / Name and registered seat of the Certificate holder

Hollyland Co., Ltd., Unit 5, 29/F, Enterprise Square Three, 39 Wang Chiu Road, KOWLOON BAY,
Kowloon, HONGKONG

Aktenzeichen / File ref.

1913000-1170-0008 / 89604 / FG31 / EUL

letzte Änderung / updated

2007-11-14

Datum / Date

2007-03-07

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*This Marks Approval is the basis for the EC Declaration of Conformity and the CE Marking by the manufacturer or his agent and shows the conformity with the said standards as defined by the **EC Low-Voltage Directive 2006/95/EC**.*

VDE Prüf- und Zertifizierungsinstitut
VDE Testing and Certification Institute
Fachgebiet FG31
Section FG31



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Kowloon, HONGKONG

Aktenzeichen / *File ref.*

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2007-11-14

Datum / *Date*

2007-03-07

Dieses Beiblatt ist Bestandteil des Zeichengenehmigungsausweises Nr. 40020380.

This supplement is part of the Certificate No. 40020380.

G-Sicherungseinsatz *Cartridge fuse-link*

Fertigungsstätte(n)

Place(s) of manufacture

Referenz/*Reference*

30006852

Xiamen Ningly Electronics Co., Ltd.

9 ~ 19 Fanghu Road

Huli District

361009 XIAMEN CITY

Fujian

CHINA

VDE Prüf- und Zertifizierungsinstitut
VDE Testing and Certification Institute
Fachgebiet FG31
Section FG31



No. KM 52652

Xiamen Ningly Electronics Co., Ltd.

Xiamen

BS EN 60127-2:2003 - Standard Sheet I Fuse-links

Lead-free & RoHS* Fuse-links with & without wire terminations

Type: 50 CF - 'HOLLYLAND', 'HOLLY' or 'H'

Type Ref	Rating	Reference Report
50 CF	F 250 mA H / 250 V	GTIHEA 2925/1 (CN8473) & 249/7070411
50 CF	F 315 mA H / 250 V	GTIHEA 2925/2 (CN8473) & 249/7070411
50 CF	F 400 mA H / 250 V	GTIHEA 2925/3 (CN8473) & 249/7070411
50 CF	F 500 mA H / 250 V	GTIHEA 2925/4 (CN8473) & 249/7070411
50 CF	F 630 mA H / 250 V	GTIHEA 2925/5 (CN8473) & 249/7070411
50 CF	F 800 mA H / 250 V	GTIHEA 2925/6 (CN8473) & 249/7070411
50 CF	F 1 A H / 250 V	GTIHEA 2925/7 (CN8473) & 249/7070411
50 CF	F 1.25 A H / 250 V	GTIHEA 2925/8 (CN8473) & 249/7070411
50 CF	F 1.6 A H / 250 V	GTIHEA 2925/9 (CN8473) & 249/7070411
50 CF	F 2 A H / 250 V	GTIHEA 2925/10 (CN8473) & 249/7070411
50 CF	F 2.5 A H / 250 V	GTIHEA 2925/11 (CN8473) & 249/7070411
50 CF	F 3.15 A H / 250 V	GTIHEA 2925/12 (CN8473) & 249/7070411
50 CF	F 4 A H / 250 V	GTIHEA 2925/13 (CN8473) & 249/7070411
50 CF	F 5 A H / 250 V	GTIHEA 2925/14 (CN8473) & 249/7070411
50 CF	F 6.3 A H / 250 V	GTIHEA 2925/15 (CN8473) & 249/7070411
50 CF	F 8 A H / 250 V	GTIHEA 2925/16 (CN8473) & 249/7070411
50 CF	F 10 A H / 250 V	GTIHEA 2925/17 (CN8473) & 249/7070411

Note: * As declared only by manufacturer for RoHS Directive 2002/95/EC compliance.

First granted: 29 Oct 1999

Date: 17 Dec 2007

Page: 10 of 10

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BSI is incorporated by Royal Charter



BSI Product Services

Kitemark House, Maylands Avenue, Hemel Hempstead, Hertfordshire HP2 4SQ
United Kingdom

Tel: +44 (0)8450 765600 Website: www.bsi-global.com



产品认证证书

证书编号: CQC06012017419

申请人名称及地址

好利来有限公司
香港九龙九龙湾宏照道39号企业广场三期29楼5号室

制造商名称及地址

好利来有限公司
香港九龙九龙湾宏照道39号企业广场三期29楼5号室

生产厂名称及地址

厦门宁利电子有限公司 (V005252)
厦门市湖里区枋湖路9-19号



中国国家强制性产品认证证书

证书编号: 2006010207194847

申请人名称及地址

好利来有限公司
香港九龙塘鸡图道34号致乐工业大厦12楼A座

商标: HOLLY

制造商名称及地址

好利来有限公司
香港九龙塘鸡图道34号致乐工业大厦12楼A座

生产企业名称及地址

厦门宁利电子有限公司
厦门市湖里区枋湖路9-19号

产品名称和系列、规格、型号

管状熔断体

S0CF F250mA/250V, F315mA/250V, F400mA/250V, F500mA/250V, F630mA/250V,
F800mA/250V, F1A/250V, F1.25A/250V, F1.6A/250V, F2A/250V, F2.5A/250V,
F3.15A/250V, F4A/250V, F5A/250V, F6.3A/250V

产品标准和技术要求

GB9364.1-1997 GB9364.2-1997

上述产品符合强制性产品认证实施规则的要求, 特发此证。

发证日期: 2006年8月15日

本证书的有效性依据发证机构的定期监督获得保持。



主任:

李怀林

