

承認書

SPECIFICATION FOR APPROVAL

● 客戶名称

● Customer

● 客戶品號

● Customer Part No.

● 產品品號

● Brightek Part No. HC-T-B4014UW8WCH

● 產品規格描述

● Specification 4014 冷白

● 製錶人

● Prepared By 王清

● 審核

● Checkedy 李东平

● 客戶回簽

● Customer

● 送样日期:

● Deliver date:

說明: 一、謹致執事者: 茲提供敝公司產品之有關詳細規格及圖面資料, 敬請給予辦理測試認定手續。同時敬請 送返一份附有貴公司簽認之測試認定後之樣品認定書。

We are sending you our specification and drawings for your approval. Please return to us one copy "For Approval" with your approved signatures.

二、客戶意見欄 Customer' S Proposal

☐ Approve 承認 (請於認可欄中簽名)

☐ Disagree 不同意

Reason 原因:

光宇集團

中高端光电元件定制企业, 20多年封装经验, 品质稳定, 值得信赖, 体现光的价值。

光宇集团国际(香港)有限公司

GTU Group International (HK) Co., Limited

广东光宇半导体科技有限公司

工厂地址: 东莞市寮步镇松湖智谷A2栋3楼

东莞市弘呈光电有限公司

DongGuan Hong cheng Optoelectronics Co., Ltd.

工厂地址: 广东省东莞市樟木头镇莞樟路樟木头段15号15栋2108号

ADD: Room 2108, No. 1 building, Wanhui Garden, East Guanzhang Road, Zhangmutou, Dongguan, Guangdong, China

TEL: 0769-87797616 87182291 Fax: 0769-82337396 www.hc-led168.com

业务联系人: 李顺阳 13925714318 (微信同号) 销售总监

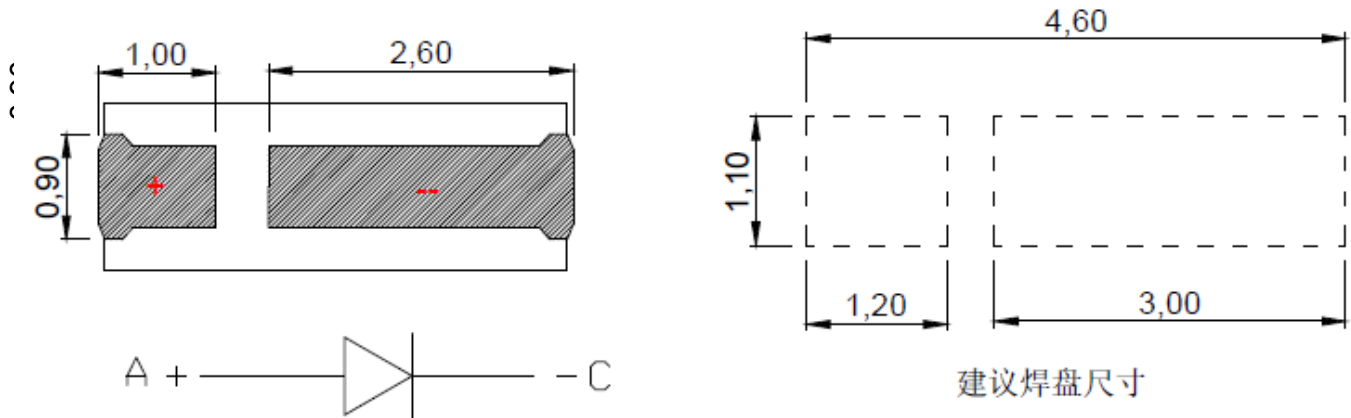
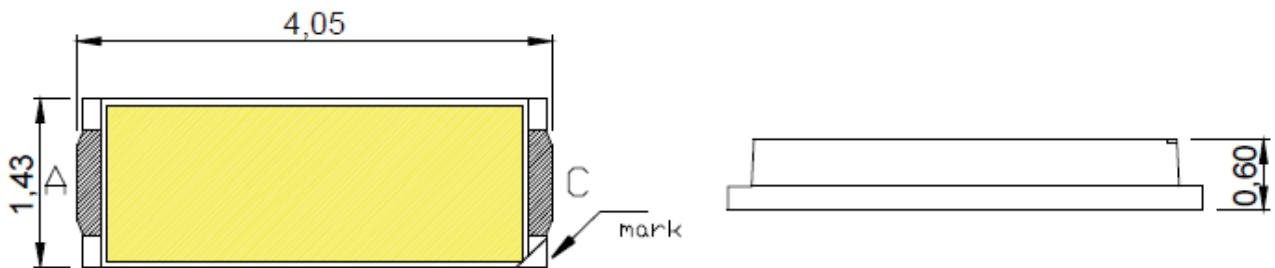
企业邮箱: sales@led-hc.com



版本/版次	修改日期	修改内容

产品描述: Features

- 颜色/Color: White
- 胶体/Lens: Yellow Diffused
- EIA 规范标准包装/EIA STD Package
- 环保产品, 符合ROHS要求/Meet Rohs, Green Product



注/Notes: 单位: 毫米 (mm) /All dimensions are in millimeters

公差: 如无特别标注则为 ± 0.2 mm Tolerance is ± 0.2 mm unless otherwise noted

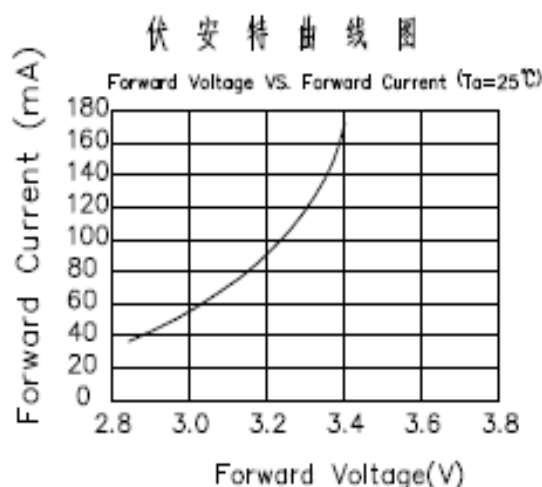
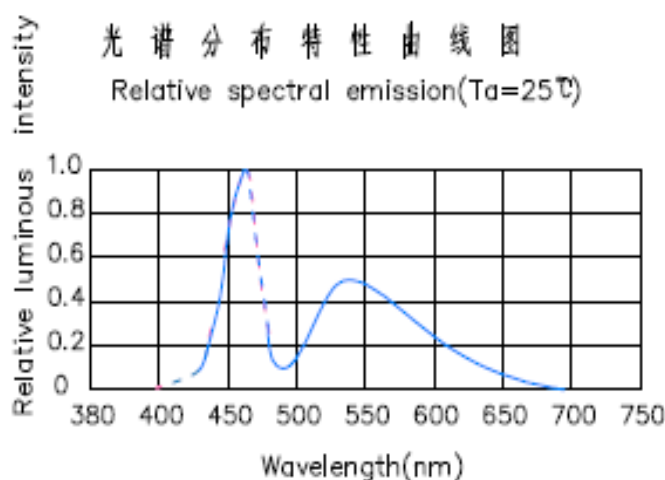
□ □ □ □ □ □ □ Absolute Maximum Ratings <Ta=25℃>

□ □ □ Parameter	□ □ □ Symbol	□ □ □ □ □ Rating	□ □ □ Unitt
□ □ □ □ □ Power Dissipationh	Pd	485	mW
□ □ □ □ □ □ Peak Forward Current(1/10□ □ 0.1ms□ □ □	IFP	200	mA
□ □ □ □ □ □ tDC Forward Current	IF	150	mA
□ □ □ □ □ Reverse Voltage	VR	5	V
□ □ □ □ □ Operating Temperature Range	Topr	-40℃~+85℃	
□ □ □ □ □ Storage Temperature Rangee	Tstg	-40℃~ +90℃	
□ □ □ □ Soldering Condition	Tsol	□ □ □ Reflow soldering : 260't., 1 Os □ □ □ □ Hand soldering 300"℃,3s	
□ □ □ □ □ Electrostatic Discharge	ESD	2000	V

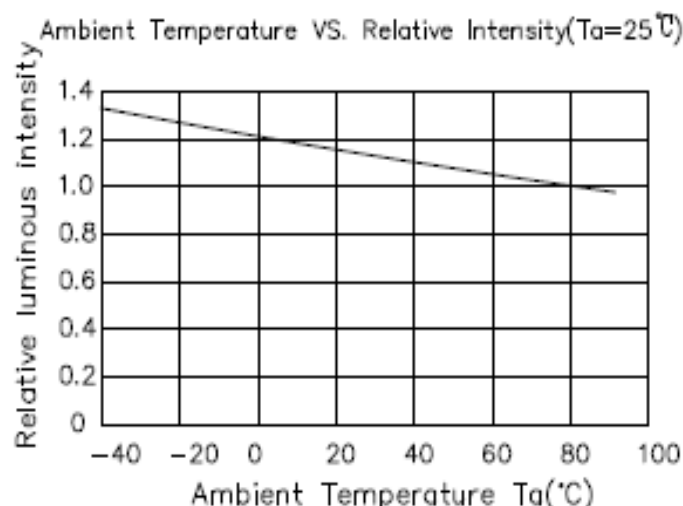
光电参数/ Electrical Optical Characteristics (Ta=25℃)

参数 Parameter	符号 Symbol	颜色 Color	最小值 Min	代表值 Typ	最大值 Max	单位 Unit	测试条件 Test Condition
光强 Luminous Intensity	I _v	W	24		31	LM	IF=60mA
色坐标 Color Coordinates	X			0.2620			IF=60mA
	Y			0.2355			
峰值波长 Peak Wavelength	λ _p	W		448		nm	IF=60mA
正向电压 Forward Voltage	V _F	W	2.8		3.6	V	IF=60mA
视角 Viewing Angle	2Θ1/2			120		deg	IF=60mA
反向电流 Reverse Current	I _R				5	uA	VR=5v

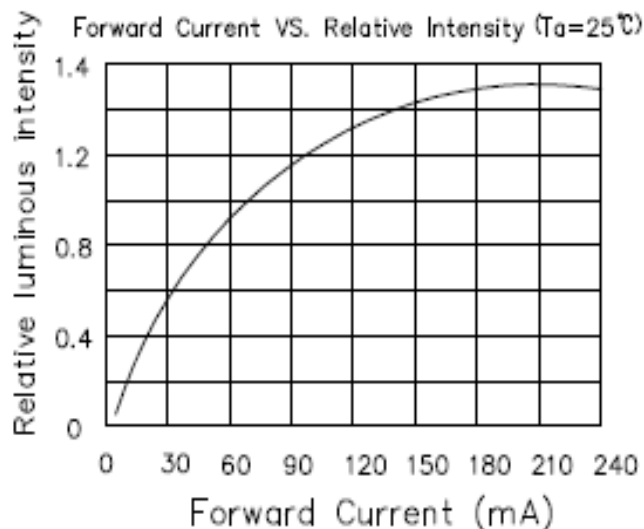
光电参数代表值特征曲线/ Typical Electrical-Optical Characteristics Curves



相对光强与环境温度特性曲线

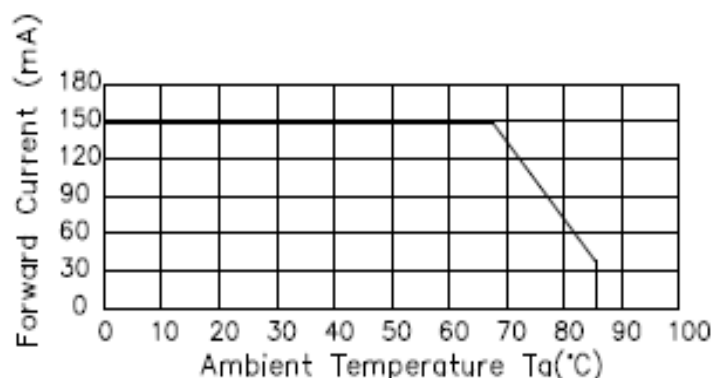


相对光强与电流特性曲线图



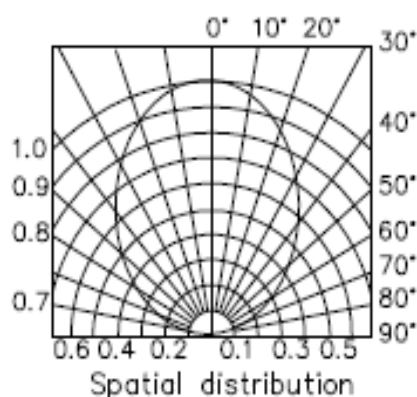
最大正向电流与环境温度特性曲线图

Maximum Forward current($T_a=25^{\circ}\text{C}$ ward current VS.Amb)

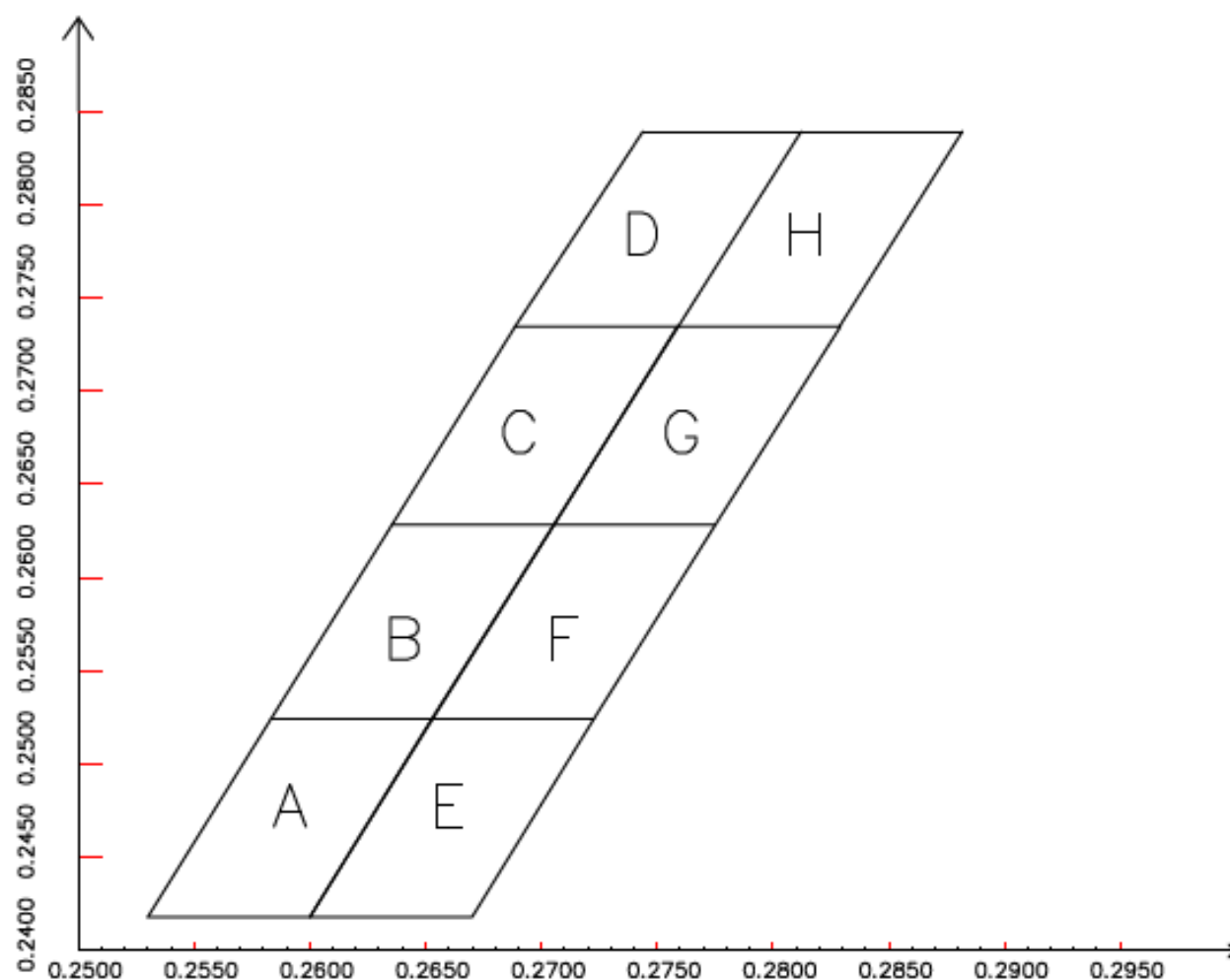


辐射曲线图

Radiation curve



BIN 区分类及色坐标范围:

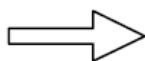
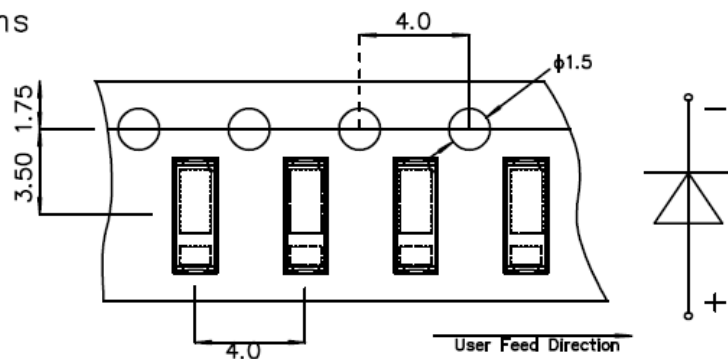


色区坐标: (测量公差 ± 0.0053)

	X1	y1	X2	y2	X3	y3	X4	y4
A	0.2530	0.2419	0.2583	0.2524	0.2653	0.2524	0.2600	0.2419
B	0.2583	0.2524	0.2636	0.2629	0.2706	0.2629	0.2653	0.2524
C	0.2636	0.2629	0.2689	0.2734	0.2759	0.2734	0.2706	0.2629
D	0.2689	0.2734	0.2742	0.2839	0.2812	0.2839	0.2759	0.2734
E	0.2600	0.2419	0.2653	0.2524	0.2723	0.2524	0.2670	0.2419
F	0.2653	0.2524	0.2706	0.2629	0.2776	0.2629	0.2723	0.2524
G	0.2706	0.2629	0.2759	0.2734	0.2829	0.2734	0.2776	0.2629
H	0.2759	0.2734	0.2812	0.2839	0.2882	0.2839	0.2829	0.2734

信赖度测试/ Reliability Test:

类别 Classification	测试项目 Test Item	测试环境 Test Condition	测试时间 Test time	参考标准 Reference Standard
耐久性测试 Endurance Test	工作寿命 Operation Life	室温条件下以最大额定电流持续点亮, 以60mA测试. Ta= Under Room Temperature As Per Data Sheet Maximum Rating	1000 HRS (-24 HRS, +72 HRS)	MIL-STD-750 D:1026 MIL-STD-883 D:1005
	高温高湿储存 High Temperature, High Humidity Storage	IR-Reflow In-Board, 2 Times环境温度 Ta= 85 ℃,相对湿度RH= 85% R-Reflow In-Board, 2 TimesTa= 85 ℃,RH= 85%*	1000 HRS (± 2 HRS)	JESD22-A101
	高温储存 High Temperature Storage	环境温度 Ta= 105±5℃	1000 HRS (-24HRS, +72 HRS)	MIL-STD-883 D:1008 JIS C 7021:B-10
	低温储存 Low Temperature Storage	环境温度 Ta= -40±5℃	1000 HRS (-24HRS,+72 HRS)	JIS C 7021:B-10
环境测试	温度循环 Temperature Cycling	100℃ ~25℃ ~ -40℃ ~25℃ 30mins 5mins 30mins 5mins	100次循环/ Cycles	MIL-STD-202F:107D MIL-STD-750D:1051
	冷热冲击 Thermal Shock	IR-Reflow In-Board, 2 Times 100 ± 5℃ ~ -40℃ ± 5℃ 10mins 10mins	100次循环/ Cycles	MIL-STD-202F:107D MIL-STD-750D:1051
	回流焊无铅制程 ReflowPb Free Process	温度最高260℃: 最大10秒 Peak temperature range 260℃ 10s max	-----	MIL-STD-750 D: 2031.2 J-STD-020C

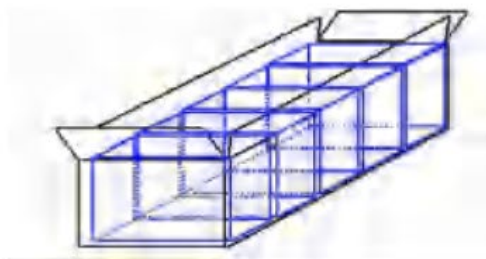


A diagram of a cylinder with a rectangular block at the bottom right corner. The cylinder is oriented horizontally. The rectangular block is positioned at the bottom right corner of the cylinder's front face. The block is shaded with a light gray color.

外标签 / Lable

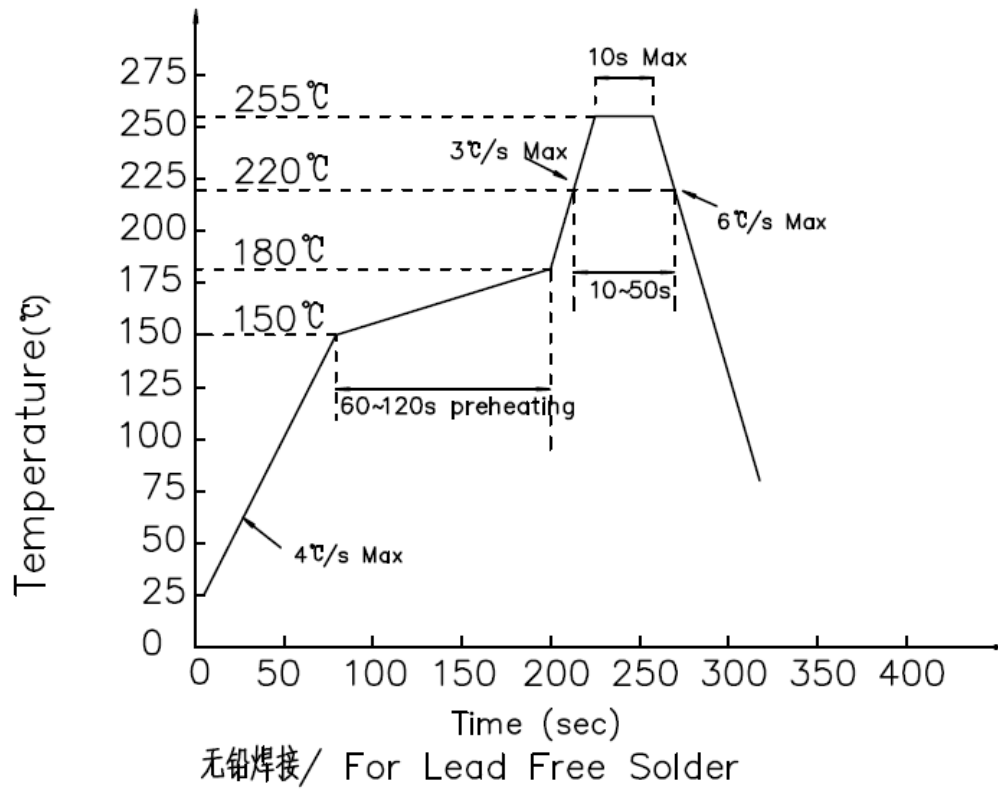


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5carton/box(盒/箱)

建议焊接温度曲线 / Soldering Profile Suggested



焊接过程中, 严禁在高温情况下碰触胶体。

During the soldering process, do not touch the lens at high temperature.

焊接后, 禁止对胶体施加外力, 禁止弯折PCB, 避免元件受到撞击。

After soldering, any mechanical force on the lens or any excessive vibration shall not be accepted to apply, also the circuit board shall not be bent as well.