

XINGLIGHT®

非视觉功能性LED器件

NON VISUAL FUNCTIONAL LED DEVICE

紫外UV

红外IR

深圳市成兴光电子科技有限公司
SHENZHEN CHENGXING ELECTRONIC TECHNOLOGY CO., LTD

公司介绍 Company Profile

**深圳市成兴光电子科技有限公司成立于 2012 年，
是深圳电子商会、照明半导体产业促进会理事单位。**

深圳市成兴光电子科技有限公司销售部位于深圳华强北电子商业中心，专注于高品质发光二极管产品的研发、生产和销售。现拥有的自主品牌 **XINGLIGHT™**。

公司是在深圳-湖北工厂设有现代化研发基地和无尘防静电生产车间，拥有国际先进的ASM成套全自动光电制造设备，月产能达750KK。实现了固晶、焊线、点胶、烘烤、分光、编带整套工艺流程的全自动化，并通过了ISO9001的质量管理体系认证、ISO14001的环境质量体系认证、IATF 16949汽车行业质量管理体系认证，采取严格的流程控制，确保产品的可靠性。

至今，成兴光产品主要以指示类LED、照明类LED、背光类LED、UVC系列紫外杀菌灯珠及陶瓷车用LED为主，广泛应用于医疗紫外杀菌、智能照明、数码通用产品、工业安防及汽车电子等众多领域。

在LED不断创新的今天，我们也致力于为客户提供特殊产品的个性化定制服务。

正品保证  质量保证  无忧退换  可开发票  长期现货  工厂生产 

*Establishing China's XINGLIGHT™ brand,
leading industry technology and development frontier,
realizing brand strategy
and establishing sustainable development and dynamic international companies.*



COMPANY PROFILE



Shenzhen Chengxing Electronic Technology CO., Ltd.
was founded in 2012. It is the director unit of Shenzhen electronic
Chamber of Commerce and Lighting Semiconductor Industry
Promotion Association.

The company's sales department is located in Shenzhen Huanqiangbei Electronic Commerce Center, focusing on research and development, production and sales of high-quality light-emitting diode products. Now has its own brand XINGLIGHT®.

The company has set up a modern R&D base and a dust-free and anti-static production workshop in the Shenzhen Hubei factory, with internationally advanced ASM technology. A set of automatic photoelectric manufacturing equipment, with a monthly production capacity of 750KK. The whole process of crystal solidification, welding line, dispensing, baking, light sorting and tape weaving is realized. The process is fully automated and has passed ISO9001 quality system certification, ISO14001 environmental quality system certification and IATF16949 quality management system certification of automobile industry adopts strict process control to the reliability of products.

So far, chengxingguang's products mainly include indicator LED, lighting LED, backlight LED, UV series ultraviolet sterilization lamp beads and pottery Ceramic automotive LED is mainly used for medical ultraviolet sterilization, intelligent lighting, digital general products, industrial security and automotive electronics. And many other fields.

Today, with the continuous innovation of LED, we are also committed to providing customized services for customers with special products.



*To realize resource sharing and harmonious progress,
so that more people can enjoy the fruitful results brought by our enterprise.*

组织架构

ORGANIZATIONAL STRUCTURE



企业目标

- 树立中国的 XINGLIGHT® 品牌，引领行业技术及发展前沿，实现品牌战略，建立可持续发展及有活力的国际化公司！

企业文化

- 积极向上、勤奋工作、友善待人
- 建立集设计、制造、销售为一体，以LED封装为基础，背光源应用，照明应用为主导的高科技企业！

企业理念

- 实现资源共享，和谐共进，让更多的人享受我们企业带来的丰硕成果！

Company Goals

- Establishing China's XINGLIGHT® brand, leading industry technology and development frontier, realizing brand strategy, and establishing sustainable development and dynamic international companies.

Company Culture

- Be Positive, hard-working and friendly
- Establish a high-tech enterprise integrating design, manufacturing and sales, based on LED packaging, backlight application and lighting application!

Company Philosophy

- To realize resource sharing and harmonious progress, so that more people can enjoy the fruitful results brought by our enterprise!

LED 灯珠特点

LED Lamp Features



LOW LIGHT ATTENUATION

3000 hours average attenuation > 2% to extend service life

低光衰

3000 小时平均衰减 < 2% 延长使用寿命



FAST LIGHT

Instantaneous lighting time less than 100 nanoseconds NS

快速点亮

瞬间点亮时间小于 100 奈秒 NS



LOW CALORIFIC VALUE

Low calorific value, high brightness

超低发热量

发热量小、高亮度



ELECTROSTATIC PROTECTION

Excellent static electricity protection is safer

静电防护

优良的静电防护更安全



ROHS STANDARD

The process conforms to RoHS standard.

RoHS 标准

工艺符合 RoHS 标准



LONG LIFE

Normally, the service life can be as long as 50,000 hours, which is 5 to 10 times as long as that of ordinary energy-saving lamps.

超长寿命

正常情况下适用寿命可长达 5 万小时
是普通节能灯的 5 到 10 倍

贴片SMD型LED使用说明书

感谢使用深圳市成兴光电子科技有限公司的系列LED产品，为了增进您对我公司产品特性的了解，方便您在使用过程掌握其特性、减小或避免人为因素造成的不必要产品损坏或性能不匹配特此说明：

1. 物料确认

使用前请确认LED BIN等级是否符合要求。例：电压亮度色区等参数是否属于同一等级，同一等级产品应在一起使用。若非同一等级的LED产品应用在同一物件上，应评估其适用性（若不同的电压BIN在一起使用亮度可能有差异，不同色区在一起使用发光颜色可能会有差异）。

2. 包装存储

拆包装前避免湿气进入LED内部，建议SMD系列的LED存放在有干燥剂的防潮柜中，存放条件为：温度5-30℃、湿度35-60%

3. 使用过程中预防措施

使用前请确认真空包装是否完好，如有包装破损漏气请及时联系我司换货，不可直接使用。确认真空包装完好，包装日期距拆包日期2月内无需除湿（时间超过2个月不可直接使用），使用遵从“用多少拆多少、用一包拆一包”的原则，拆包后的灯珠应尽快在8小时内用完，余料请重新密封后，放置在湿度低于30%、温度10-30%℃的环境中保存。

4. 焊接条件

本产品过回流焊温度建议260℃以下，推荐温区为200-245℃，同时建议客户使用低温锡膏。回流焊次数建议小于2次，首次回流焊后须冷却至室温后方可进行第二次回流焊，贴板结束后2小时内必须过回流焊，如若需要返工线路板需控制在过回流焊后12小时内，不可过度裸露空气中，不建议将本产品应用于弯曲的线路板上。焊接时避免快速冷却，LED焊接冷却过程中避免任何形势的机械力或过度震动，焊接后不可弯曲线路板。

5. 静电防护

LED是静电敏感电子原器件，应采取静电防护措。

例：在使用过程中佩戴静电环。所有设备、仪器应接地。建议在组装后的成品做静电受损测试。

6. 强烈建议

客户在使用本产品的过程中，请先小批量试用，成品在经过各种测试合格后，再大批量投入使用。

7. 其他注意事项

LED长期暴露在阳光或偶尔暴露在紫光下可能导致胶体发黄，为了确保LED光电性能，请保持LED发光区表面清洁。在设计电路时应预防开关过程中产生的逆向电压或大电流对LED瞬间冲击，在使用过程中避免镊子等锋利工具触碰胶体部分。

Instructions for SMD LED

Thank you for using the series of LED products of Shenzhen Chengxing Optoelectronic Technology Co., Ltd. In order to enhance your understanding of the characteristics of our products, facilitate you to master their characteristics and reduce or avoid:

1. Material confirmation

Confirm whether the LED bin level meets the requirements before use. For example: whether parameters such as voltage, brightness and color zone belong to the same level, and products of the same level should be used together. If not produced by LED of the same grade if the product is applied to the same object, its applicability shall be evaluated (if different voltage bin are used together, the brightness may be different, and the luminous color of different color areas may be different).

2. Packaging storage

Before unpacking, prevent moisture from entering the LED. It is recommended that SMD series LEDs be stored in a moisture-proof cabinet with desiccant. The storage conditions are: temperature 5-30 °C and temperature 35-60%

3. Precautions during use

Before use, please confirm whether the vacuum packaging is intact. If the packaging is damaged and leaking, please contact our company in time for replacement. It can not be used directly. Confirm that the vacuum packaging is intact, and the packaging date is within 2 months from the unpacking date. There is no need for dehumidification (it can not be used directly for more than 2 months). The use shall follow the principle of "how much to use, how much to use, and how much to use. After unpacking, the lamp beads shall be used up within 8 hours as soon as possible, and the remaining materials shall not be used up. Please re seal and store in an environment with humidity lower than 30% and temperature of 10-30% °C.

4. Welding conditions

The reflow soldering temperature of this product is recommended to be below 260 °C, and the recommended temperature range is 200-245 °C. At the same time, customers are recommended to use low-temperature solder paste. The number of reflow soldering is recommended to be less than 2 times, and it must be cold after the first reflow soldering. The second reflow soldering can only be carried out after reaching the room temperature. The reflow soldering must be carried out within 2 hours after the bonding. If the circuit board needs to be reworked, it shall be controlled within 12 hours after reflow soldering and shall not be excessively exposed in air, it is not recommended to apply this product to curved circuit boards. Avoid rapid cooling during welding, avoid mechanical force or excessive vibration in any situation during led welding cooling, and do not Curved circuit board.

5. Electrostatic protection

LED is an electrostatic sensitive electronic device, so electrostatic protection measures should be taken.

Example: wear electrostatic ring during use. All equipment and instruments shall be grounded. It is recommended to conduct electrostatic damage test on the finished products after assembly.

6. Strongly recommended

In the process of using this product, customers should try it in small quantities first, and then put it into use in large quantities after passing various tests.

7. Other precautions

Long term exposure of led to sunlight or occasional exposure to purple light may lead to colloidal yellowing. In order to ensure the photoelectric performance of LED, please keep the surface of LED luminous area clean. When designing the circuit, it should be prevented from opening The reverse voltage or large current generated during the closing process will impact the LED instantaneously, so as to avoid sharp tools such as camera from touching the colloid part during use.



PRODUCT CATALOGUE

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PART 2

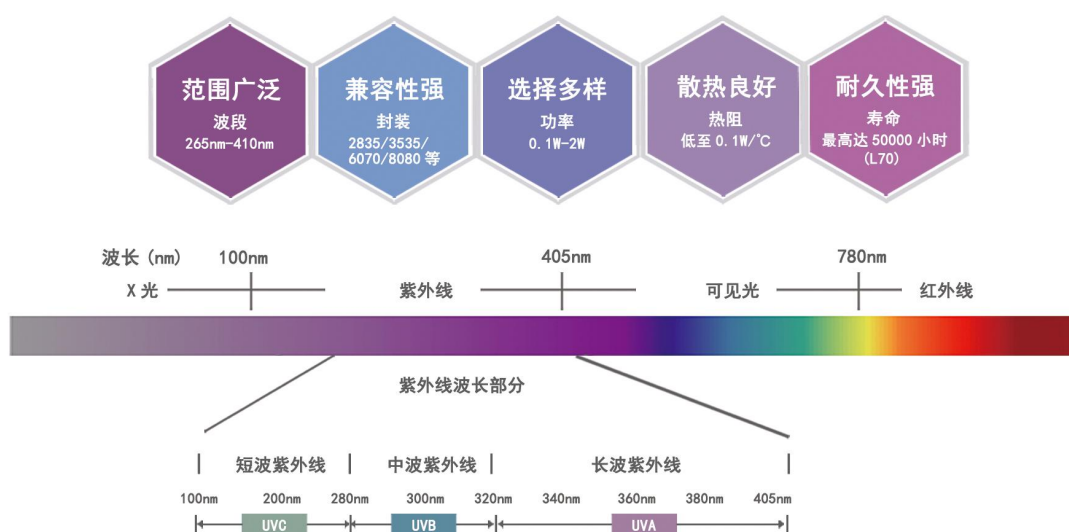
红外系列 IR LED SERIES

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紫外 (UV) LED 简介

紫外 LED 是指发光波长 405nm 以下的 LED, 又可以进一步分为 UVA (320–405nm), UVB (280–320nm), UVC (200–280nm)。随着水俣公约生效, 含汞产品将被逐步限制使用, 而 UVLED 不含汞, 本身又绿色环保, 可有效解决传统汞灯的固有问题, 比如含汞有毒、有臭氧、启动慢、能效差、寿命短等。



适用范围：

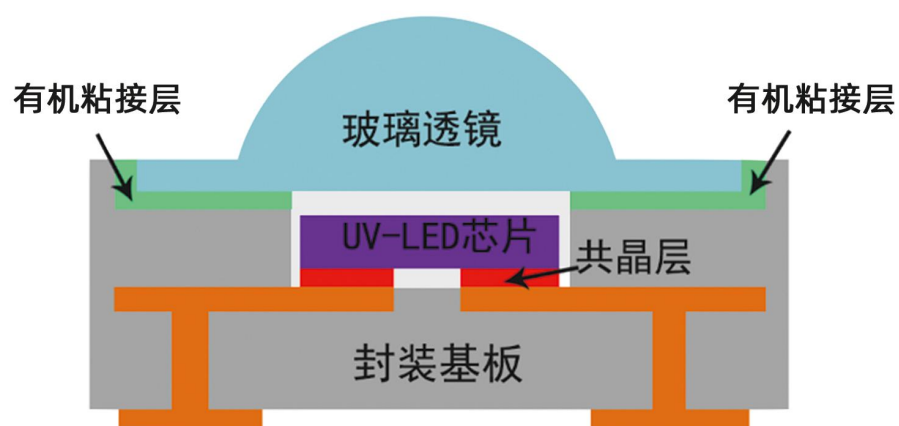
广泛应用于光固化系统、医疗、杀菌消毒、植物工厂净化设备、宝石鉴定、纸钞鉴定、光树脂硬化等领域。



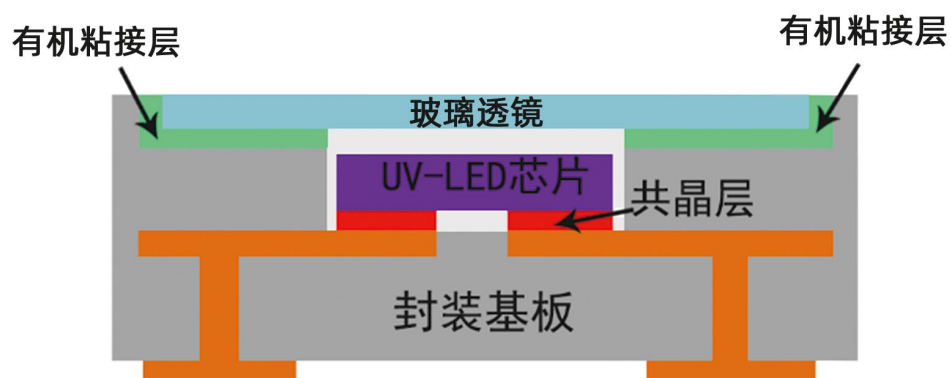
UV LED封装技术特点：

- 1) 采用正规芯片，品质保障；
- 2) 并联齐纳管封装，稳定击穿电压和电流，更安全有效的长寿命使用；
- 3) 陶瓷共晶焊接，导热速度更快；高效导热（可承受280℃高温）、抗衰减，延长寿命、可靠性更高。

带透镜UV LED结构展示：



平面UV LED结构展示：



产品材料展示

灯珠内部组成



蓝宝石镜面

与苹果镜头相同的蓝宝石镜面封装；防护性能更强，紫外线透光率接近0损耗



芯片0.25×0.5毫米

芯片细如发丝，采用第三代半导体技术合成

支架：黄金镀膜

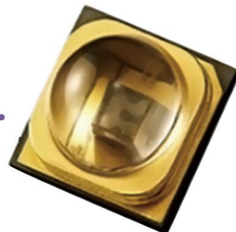
99.9%黄金镀金支架：散热性更优秀，且保证LED灯珠的寿命和稳定的能量输出



底座



形成LED紫外线灯珠



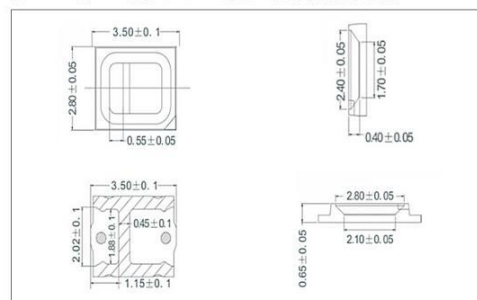
紫外 UV LED

2835 平面 Plane/ 透镜系列 Lens series

- 外观尺寸：2.8*3.5 (mm)



注：1. 单位：毫米 (mm) 2. 公差：如无特别标注则为 $\pm 0.10\text{mm}$

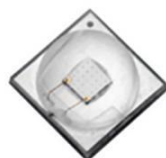


产品型号 Product model	峰值波长 (nm) Peak wavelength	亮度 (mW) Brightness	电压 (V) Voltage	角度 (°) Angle	测试条件 (mA) Test conditions
XL-2835UVA-02	395-405	0.2	3.0-3.4	120°	IF=60
XL-2835UVA-05	395-405	0.5	3.0-3.4	120°	IF=150
XL-HD2835UVA1-02	365-375	120-180	3.3-4.0	60°	IF=60
XL-HD2835UVA2-02	395-405	100-200	3.3-4.0	60°	IF=60
XL-HD2835UVA1-05	365-375	120-180	3.3-4.0	60°	IF=150
XL-HD2835UVA2-05	395-405	100-200	3.3-4.0	60°	IF=150

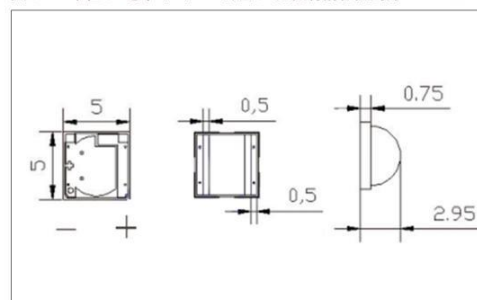
紫外 UV LED

5050 模顶系列 Mold top series

- 外观尺寸：5.0*5.0 (mm)



注：1. 单位：毫米 (mm) 2. 公差：如无特别标注则为 $\pm 0.10\text{mm}$



产品型号 Product model	峰值波长 (nm) Peak wavelength	亮度 (mW) Brightness	电压 (V) Voltage	角度 (°) Angle	测试条件 (mA) Test conditions
XL-HD5050UVA1-A4	360-370	400-900	3.2-4.0	120°	IF=700
XL-HD5050UVA2-A4	390-405	1200-1600	3.2-4.0	120°	IF=700

紫外 LED 系列

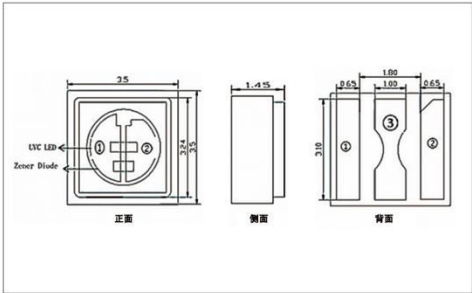
紫外 UV LED

3535 石英系列 Quartz series

● 外观尺寸：3.5*3.5 (mm)



注：1. 单位：毫米 (mm) 2. 公差：如无特别标注则为 ±0.10mm



产品型号 Product model	峰值波长 (nm) Peak wavelength	亮度 (mW) Brightness	电压 (V) Voltage	角度 (°) Angle	测试条件 (mA) Test conditions
XL-3535UV1SB12P1	270-280	3-5	5-7	120°	IF=50
XL-3535UV1SB12P2	270-280	5-8	5-7	120°	IF=50
XL-3535UV1SB12P3	270-280	7-15	5-7	120°	IF=100
XL-3535UV2SB12P1	270-280	3-5	5-7	120°	IF=50
	395-405	20-60	3.0-3.5		IF=60
XL-3535UV2SB12P2	270-280	5-8	5-7	120°	IF=50
	395-405	20-60	3.0-3.5		IF=60
XL-3535UV2SB12P3	270-280	7-15	5-7	120°	IF=100
	395-405	20-60	3.0-3.5		IF=60

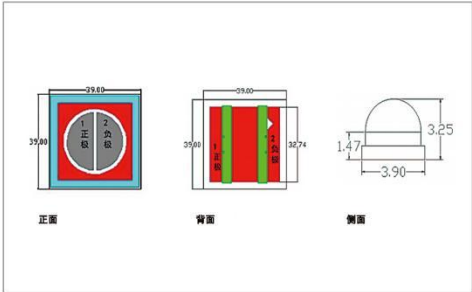
紫外 UV LED

3838 透镜系列 Lens series

● 外观尺寸：3.8*3.8 (mm)



注：1. 单位：毫米 (mm) 2. 公差：如无特别标注则为 ±0.10mm



产品型号 Product model	峰值波长 (nm) Peak wavelength	亮度 (mW) Brightness	电压 (V) Voltage	角度 (°) Angle	测试条件 (mA) Test conditions
XL-3838UV1SA06G2	270-280	5-8	5-7	120°	IF=50
XL-3838UV1SA06G3	270-280	5-8	7-15	120°	IF=100
XL-3838UV2SA06G2	270-280	5-8	5-7	120	IF=50
	395-405	20-60	3.0-3.5		IF=60
XL-3838UV2SA06G3	270-280	7-15	5-7	120	IF=100
	395-405	20-60	3.0-3.5		IF=60

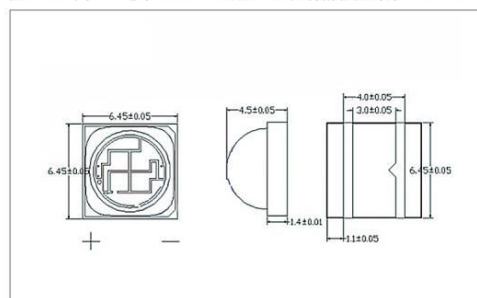
紫外 UV LED

6565 石英系列 Quartz series

● 外观尺寸：6.5*6.5 (mm)



注：1. 单位：毫米 (mm) 2. 公差：如无特别标注则为 $\pm 0.10\text{mm}$

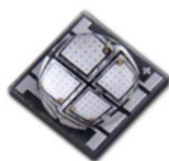


产品型号 Product model	峰值波长 (nm) Peak wavelength	亮度 (mW) Brightness	电压 (V) Voltage	角度 (°) Angle	测试条件 (mA) Test conditions
XL-6565UV4SYTD1A7	360-370	1000-2000	14-16	60°	IF=500
XL-6565UV4SYTD2A7	390-405	2500-3500	12-15	60°	IF=500

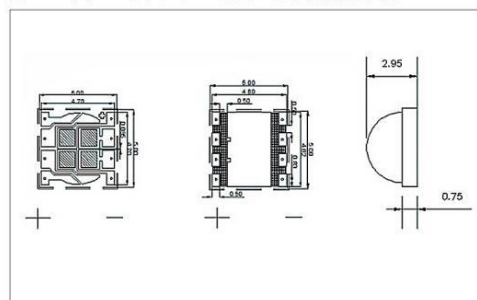
紫外 UV LED

5050 模顶系列 Mold top series

● 外观尺寸：5.0*5.0 (mm)



注：1. 单位：毫米 (mm) 2. 公差：如无特别标注则为 $\pm 0.10\text{mm}$



产品型号 Product model	峰值波长 (nm) Peak wavelength	亮度 (mW) Brightness	电压 (V) Voltage	角度 (°) Angle	测试条件 (mA) Test conditions
XL-5050UV4SMHD1A6	360-370	300-500	3.2-4.0	120°	IF=700
XL-5050UV4SMHD2A6	390-405	700-1100	3.2-4.0	120°	IF=700

紫外 LED 系列

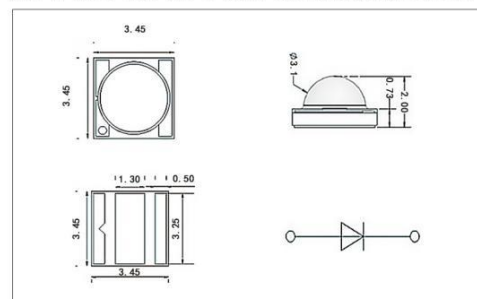
紫外 UV LED

3535 透镜系列 Lens series/ 石英系列 Quartz series

- 外观尺寸：3.5*3.5（mm）



注：1. 单位：毫米（mm）2. 公差：如无特别标注则为 $\pm 0.10\text{mm}$



产品型号 Product model	峰值波长 (nm) Peak wavelength	亮度 (mW) Brightness	电压 (V) Voltage	角度 (°) Angle	测试条件 (mA) Test conditions
XL-3535UV1SYTD1A4	360-370	600-1000	3.2-4.0	60°	IF=700
XL-3535UV1SYTD2A4	390-405	1500-2000	3.2-4.0	60°	IF=700
XL-HD3535UVA1-A2	360-370	400-900	3.2-4.0	120°	IF=500
XL-HD3535UVA2-A2	390-405	600-1400	3.2-4.0	120°	IF=500

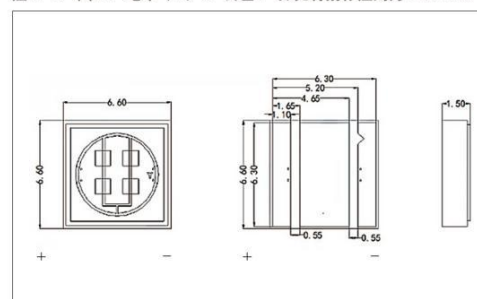
紫外 UV LED

6565 石英系列 Quartz series

- 外观尺寸：6.5*6.5 (mm)



注：1. 单位：毫米 (mm) 2. 公差：如无特别标注则为 $\pm 0.10\text{mm}$



产品型号 Product model	峰值波长 (nm) Peak wavelength	亮度 (mW) Brightness	电压 (V) Voltage	角度 (°) Angle	测试条件 (mA) Test conditions
XL-6565UV1SA06G2	270-280	5-8	5-7	120°	1F=50
XL-6565UV1SA06G3	270-280	5-8	7-15	120°	1F=100
XL-6565UV2SA06G2	270-280	5-8	5-7	120	1F=50
	395-405	20-60	3. 0-3. 5		1F=60
XL-6565UV2SA06G3	270-280	7-15	5-7	120	1F=100
	395-405	20-60	3. 0-3. 5		1F=60

IR 红外 LED 简介

红外（IR）是一种波长大于 780nm 的不可见光。IR LED 已广泛应用于安全监控，一般信号传输，新兴应用包括家居、脸部与虹膜辨识、生物感测及医疗、虚拟实境（AR）、无人驾驶、工业检测等。

Infrared (IR) is an invisible light with a wavelength greater than 780nm. IR LED has been widely used in safety monitoring, general signal Transmission, emerging applications include home, face and iris recognition, biometrics and medicine,virtual reality (AR), driverless Industrial testing, etc.

红外 LED 器件波长及应用领域
Wavelength and application fields of infrared LED devices

波长 (nm) Wavelength	典型用途 Typical use	波长 (nm) Wavelength	应用领域 Application area
780	植物照明、 医疗 Plant lighting, medical treatment	870	商场、 十字路摄像头 Shopping malls and intersections
810	虹膜识别 Iris Recognition	900	检测电气、 血糖 Detect electricity and blood glucose
830	安防监控 Security monitoring	980	机器设备 Machinery equipment
1050-1300-1550 1450-1550-1650	红外线理疗、 食品检测、 水分 / 蛋白质 / 酒精、 纤维检测、 一氧化碳 / 二氧化碳 挥发性强的气味检测 Infrared physiotherapy, food detection, moisture / protein /alcohol, fiber detection, carbon monoxide / carbon dioxide Volatile odor detection		

810nm



虹膜辨识系统
Iris recognition system

850nm



安防监控系统
Security monitoring system

940nm



触碰面板
Touch panel



生物感测器
Biosensor



VR 虚拟实境
Vr virtual reality



动作感应控制 / 遥控
Motion sensing control / remote control

红外 LED 系列

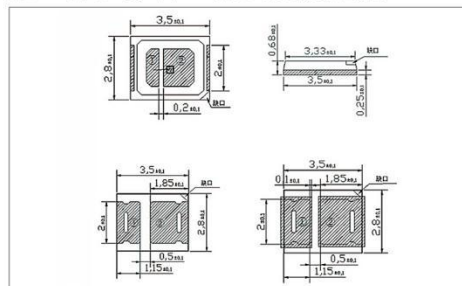
红外 IR LED

2835 平面系列 Plane series

● 外观尺寸：2.8*3.5 (mm)



注：1. 单位：毫米 (mm) 2. 公差：如无特别标注则为 $\pm 0.10\text{mm}$



产品型号 Product model	峰值波长 (nm) Peak wavelength	电流 (mA) Voltage	功率 (W) Power	发光角度 (°) Test conditions
XL-2835HIR-T202	850	100	0.2	120°
XL-2835HIR-T3A1	850	350	0.5	120°
XL-2835IR-T202	940	100	0.2	120°

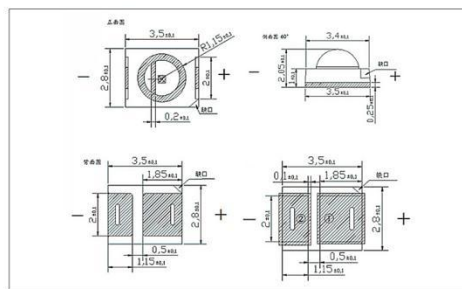
红外 IR LED

3036 透镜系列 Lens series

● 外观尺寸：3.0*3.6 (mm)



注：1. 单位：毫米 (mm) 2. 公差：如无特别标注则为 $\pm 0.10\text{mm}$



产品型号 Product model	峰值波长 (nm) Peak wavelength	电流 (mA) Voltage	功率 (W) Power	发光角度 (°) Test conditions
XL-SD3036HIR-T101	850	60	0.1	30°
XL-TD3036HIR-T101	850	60	0.1	60°
XL-VD3036HIR-T202	850	100	0.2	15°
XL-SD3036HIR-T202	850	100	0.2	30°
XL-BD3036HIR-T202	850	100	0.2	50°
XL-TD3036HIR-T202	850	100	0.2	60°
XL-SD3036HIR-T3A1	850	350	0.5	30°
XL-TD3036HIR-T3A1	850	350	0.5	60°

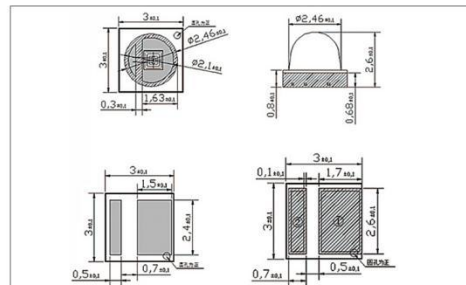
红外 IR LED

3030 透镜系列 Lens series

● 外观尺寸：3.0*3.0 (mm)



注：1. 单位：毫米 (mm) 2. 公差：如无特别标注则为 $\pm 0.10\text{mm}$

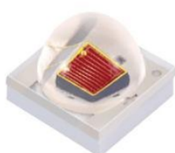


产品型号 Product model	峰值波长 (nm) Peak wavelength	电流 (mA) Voltage	功率 (W) Power	发光角度 (°) Test conditions
XL-MD3030HIR-T6A3	850	350	2W	45°
XL-MD3030HIR-T4A2	850	700	1W	45°
XL-MD3030IR-T4A2	940	700	1W	45°
XL-HD3030HIR-T3A1	850	350	0.5W	120°

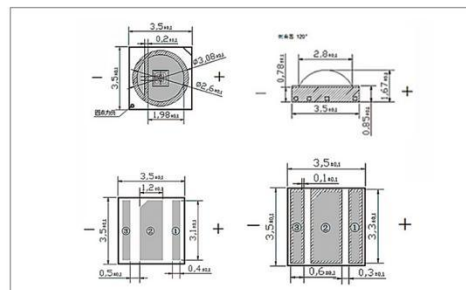
红外 IR LED

3535 透镜系列 Lens series

● 外观尺寸：3.5*3.5 (mm)



注：1. 单位：毫米 (mm) 2. 公差：如无特别标注则为 $\pm 0.10\text{mm}$



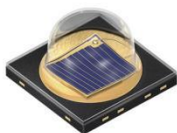
产品型号 Product model	峰值波长 (nm) Peak wavelength	电流 (mA) Voltage	功率 (W) Power	发光角度 (°) Test conditions
XL-HD3535HIR-T4A2	850	800	1W	120°
XL-HD3535HIR-T5A3	850	1000	2W	120°
XL-HD3535HIR-T6A3	850	1000	2W	120°
XL-HD3535IR-T6A3	940	1000	2W	120°

红外 LED 系列

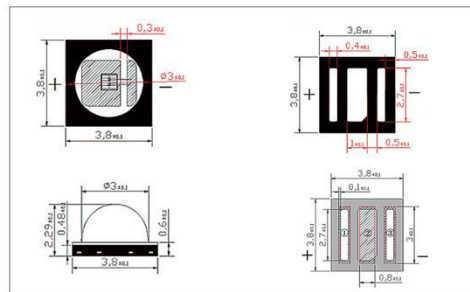
红外 IR LED

3838 透镜系列 Lens series

- 外观尺寸：3.8*3.8 (mm)



注：1. 单位：毫米 (mm) 2. 公差：如无特别标注则为 $\pm 0.10\text{mm}$

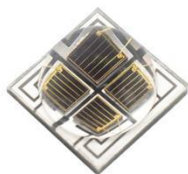


产品型号 Product model	峰值波长 (nm) Peak wavelength	电流 (mA) Voltage	功率 (W) Power	发光角度 (°) Test conditions
XL-ED3838HIR-T6A3	850	1000	2W	90°
XL-ED3838HIR-T5A3	850	1000	2W	90°
XL-ED3838HIR-T4A2	850	700	1W	90°
XL-ED3838IR-T6A3	940	1000	2W	90°
XL-CD3838HIR-T6A3	850	1000	2W	70°
XL-BD3838HIR-T6A3	850	1000	2W	50°
XL-SD3838HIR-T6A3	850	1000	2W	30°

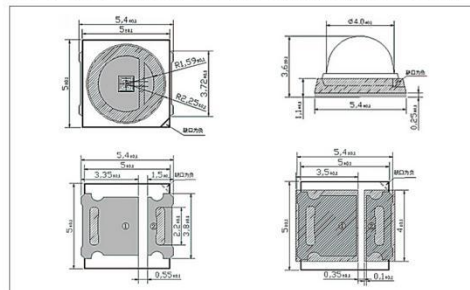
红外 IR LED

5050 透镜系列 Lens series

- 外观尺寸：5.0*5.0 (mm)



注：1. 单位：毫米 (mm) 2. 公差：如无特别标注则为 $\pm 0.10\text{mm}$



产品型号 Product model	峰值波长 (nm) Peak wavelength	电流 (mA) Voltage	功率 (W) Power	发光角度 (°) Test conditions
XL-HD5050HIR-T3A1	850	350	0.5W	120°
XL-HD5050HIR-T4A2	850	800	1W	120°
XL-HD5050HIR-T5A3	850	1000	2W	120°
XL-HD5050IR-T6A3	940	1000	2W	120°
XL-TD5050HIR-T4A2	850	800	1W	60°
XL-TD5050HIR-T5A3	850	1000	2W	60°

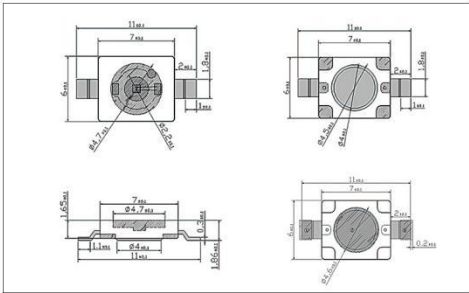
红外 IR LED

7060 平面系列 Plane series

● 外观尺寸：7.0*6.0 (mm)



注：1. 单位：毫米 (mm) 2. 公差：如无特别标注则为 $\pm 0.10\text{mm}$



产品型号 Product model	峰值波长 (nm) Peak wavelength	电流 (mA) Voltage	功率 (W) Power	发光角度 (°) Test conditions
XL-7060HIR-T4A2	850	800	1W	120°
XL-7060HIR-T5A3	850	1000	2W	120°
XL-7060HIR-T6A3	850	1000	2W	120°
XL-7060IR-T6A3	940	1000	2W	120°

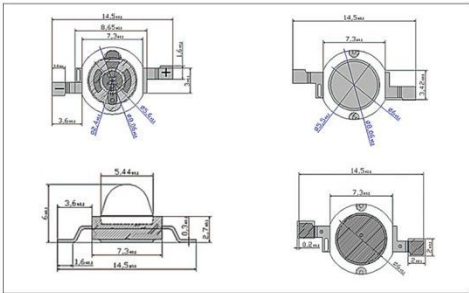
红外 IR LED

8080 透镜系列 Lens series

● 外观尺寸：8.0*8.0 (mm)



注：1. 单位：毫米 (mm) 2. 公差：如无特别标注则为 $\pm 0.10\text{mm}$



产品型号 Product model	峰值波长 (nm) Peak wavelength	电流 (mA) Voltage	功率 (W) Power	发光角度 (°) Test conditions
XL-HDB8080HIR-T4A2	850	800	1W	120° 黑色 Black
XL-TDB8080HIR-T4A2	850	800	1W	60° 黑色 Black
XL-HDW8080HIR-T5A3	850	1000	2W	120° 白色 White
XL-TDB8080HIR-T5A3	850	1000	2W	60° 黑色 Black
XL-HDB8080HIR-T6A3	850	1000	2W	120° 黑色 Black
XL-TDB8080HIR-T6A3	850	1000	2W	60° 黑色 Black
XL-HDB8080IR-T6A3	940	1000	2W	120° 黑色 Black

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