



OPSCO Optoelectronics
欧思科光电

东莞市欧思科光电科技有限公司
Dongguan OPSCO Optoelectronics Technology Co., Ltd.

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设计出品: 13925582406



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公司简介 Company profile

东莞市欧思科光电科技有限公司成立于2013年4月，属于民营高科技企业，专业致力于研发、生产、销售贴片LED灯珠的新产品，公司创始团队具有十多年LED研发经验，并且与清华大学、华南理工大学等科研院所开展产、学、研合作。公司所研发、生产的新产品包括SK6812, SK6812WWA, SK6812MINI(SMD3535), SK6805MICRO(SMD2427), SK6812RGBW, 5050RGBW, S5050WW等，配套于LED灯条、便携式梦幻音响、电脑机箱、风扇装饰灯、LED面板灯、LED模组、LED装饰电子产品、LED装饰电器的配件、LED装饰、LED演出服、舞台装饰、玻璃幕墙等应用产品，这些产品广泛应用于装饰照明及亮化工程。公司已为全国三百多家LED厂家提供配套服务。同时，公司也对外承接OEM订单，公司拥有LED封装、LED应用领域的优质资源及专业技术人才，坚持科技创新，品质第一，为客户提供行业领先的封装产品及技术支持。

公司拥有5000平方米的防尘、防静电的生产车间，拥有全自动固晶机，全自动焊线机，全自动点胶机，全自动测试分光机，全自动高效编带机。产品所用的原材料均为进口或品牌材料，确保品质第一。

欧思科立足于珠三角，面向全球，以客户需求为导向，坚持专业专注、诚实守信、品质第一、服务至上、实现共赢的经营理念，与大家携手共进。

Dongguan OPSCO Optoelectronics Technology Co.,LTD was established in 2013 April. It is a private high-tech enterprises, specialized in the R&D, production and sales of led new product. Our team has more than 10 years of experience in R & D LED, and carry out production, learning and research with Tsinghua University, South China University of Technology and other research institutes. New products including SK6812, SK6812WWA, SK6812MINI(SMD3535), SK6805MICRO(SMD2427), SK6812RGBW, 5050RGBW, S5050WW are all researched and produced by ourselves, used in LED strip, portable fantasy audio, computer chassis, fan decoration light, LED panel lights, LED module, LED decorative electronic products, LED accessories, LED decoration, LED costumes, stage decoration, glass curtain wall and other application products, these products are widely used in decorative lighting and lighting engineering company. We provide supporting services for more than 300 LED manufacturers.

At the same time, we also accept OEM packaging order all over the world. Our company together with Led packaging, Led applications industries of high-quality resources and a large number of professional and experienced technology personnel, insists on sustainable innovation who can provide leading products in the led packaging filed and technical support to clients.

Our company has 5000 square meters of dustproof, anti-static production workshop, automatic die bonder, automatic welding machine, automatic dispensing machine, automatic testing machine, efficient automatic taping machine. We used imported raw materials or brand materials to ensure the high quality and long-term stable supply.

Opsco based on the now, and never stop relying customer's demand, adhere to the business philosophy of professional, devotion, creditability and service-oriented, and work together with all colleagues from all walks of life.



专利证书 Patent certificate



内部图片 Internal picture



内部图片 Internal picture



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内置IC点控系列 Within built IC Pixel Control Series

1. SK6812



产品特点

内置SK6812 IC的5050RGB SMD LED, 可实现单点控制, 逐点扫描, 达到RGB 幻彩追逐, 跑马, 渐变等变化效果。

应用范围

LED幻彩灯条、便携式梦幻音响、电脑机箱、风扇装饰灯、LED柔性全彩点阵像素屏、LED幻彩服饰、LED幻彩键盘、航模、智能手环、天使眼、LED全彩屏、LED发光玻璃、汽车发光标志、LED幻彩手包、LED女性智能珠宝、幻彩鞋灯等各种LED发光运用领域。

可选定制

- (1)IC的电流可选择, 5MA(SK6805)和12MA(SK6812)
- (2)支架表面处理可选择, 白面和黑面(B)
- (3)灯珠PIN可选择, 4PIN(SK6812)和6PIN(SK6812-P6)
- (4)灯珠表面胶体可选择, 透明胶体(SK6812)和雾状胶体(SK6812D)

Features

Within built SK6812 IC 5050RGB SMD LED, achieve single pixel control, point by point scanning, reach magic RGB chase, horse racing, gradual change and other effects.

Application

LED dream color strip, portable fantasy audio, computer chassis, fan decoration light, LED flexible full-color pixel screen, LED color clothing, LED color model, keyboard, smart bracelet, angel eyes, full color LED display, LED lighting glass, automobile luminous sign, magic LED handbag, LED smart women jewelry, dream color shoes and all other color LED lighting application.

Optional customization

- (1) IC current, 5MA (SK6805) and 12MA (SK6812)
- (2) Surface of the bracket, white fact and black face(B)
- (3) Pin of led, 4 PIN (SK 6812) and 6PIN (SK6812-P6)
- (4) The surface glue of led, transparent (SK6812) and diffuse(SK6812D)

内置IC点控系列 Within built IC Pixel Control Series

2. SK6812-W



■ 产品特点

产品特点：内置SK6812 IC的5050单白光 SMD LED，可实现单点控制，逐点扫描，达到白光追逐，跑马，渐变等变化效果。

■ Features

Within built SK6812 IC 5050 single white SMD LED, achieve single pixel control, point by point scanning, reach white color chase, horse racing, gradual change and other effects.

■ 应用范围

LED发光字灯串,LED模组,LED软硬灯条, LED护栏管, LED外观/情景照明, LED点光源,LED像素屏,LED异形屏,各种电子产品,电器设备跑马灯。

■ Application

LED string light, LED module, LED flexible and rigid strip, LED guardrail tube, LED appearance / scene lighting, LED point source, LED pixel screen, LED shaped screen, a variety of electronic products, electrical equipment marquee.

■ 可选定制

(1)支架表面处理可选择, 白面和黑面 (-B)

(2)白光色温可选择, 暖白 (WS), 自然白 (NW)和正白 (BW)

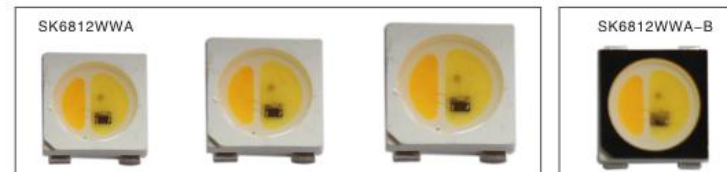
■ Optional customization

(1) Surface of the bracket, white fact and black face(B)

(2) The color temperature of white color, warm sunlight (WS), natural white (NW) and blue white (BW).

内置IC点控系列 Within built IC Pixel Control Series

3. SK6812WWA



■ 产品特点

内置SK6812 IC的5050 三种白光 (琥珀光, 暖白光和正白光) SMD LED, 可实现单点控制, 逐点扫描, 达到白光追逐, 跑马, 渐变等变化效果。

■ Features

Within built SK6812 IC 5050 three white color(amber, warm sunlight and blue white) SMD LED, achieve single pixel control, point by point scanning, reach white color chase, horse racing, gradual change and other effects.

■ 应用范围

LED发光字灯串,LED模组,LED软硬灯条, LED护栏管, LED外观/情景照明, 动态广告灯箱、LED点光源,LED像素屏,LED异形屏,各种电子产品,电器设备跑马灯。

■ Application

LED string light, LED module, LED flexible and rigid strip, LED guardrail tube, LED appearance / scene lighting, LED dynamic advertisement box, LED point source, LED pixel screen, LED shaped screen, a variety of electronic products, electrical equipment marquee.

■ 可选定制

(1) 支架表面处理可选择, 白面和黑面 (-B)

■ Optional customization

(1) Surface of the bracket, white fact and black face(B)

内置IC点控系列 Within built IC Pixel Control Series

4. SK6812RGBW



■ 产品特点

内置SK6812 IC的5050 RGBW SMD LED, 可实现单点控制, 逐点扫描, 达到 RGB 幻彩追逐, 跑马, 渐变等变化效果。

■ 应用范围

LED幻彩灯条、便携式梦幻音响、电脑机箱、风扇装饰灯、LED柔性全彩点阵像素屏、LED幻彩服饰、动态广告灯箱、LED幻彩键盘、航模、智能手环、天使眼、LED全彩屏、LED发光玻璃、汽车发光标志、LED幻彩手包、LED女性智能珠宝、幻彩鞋灯、工艺发光礼品等各种LED发光运用领域。

■ 可选定制

(1) 支架表面处理可选择, 白面和黑面(-B)

(2) 白光色温可选择, 暖白 (SK6812 RGBW-WS), 自然白(SK6812RGBW-NW), 正白 (SK6812RGBW-BW) 和琥珀色 (SK6812RGBW-A)

■ Features

Within built SK6812 IC 5050RGBW SMD LED, achieve single pixel control, point by point scanning, reach magic RGBW chase, horse racing, gradual change and other effects.

■ Application

LED dream color strip, portable fantasy audio, computer chassis, fan decoration light, LED flexible full-color pixel screen, LED color clothing, LED dynamic advertisement box, LED color model, keyboard, smart bracelet, angel eyes, full color LED display, LED lighting glass, automobile luminous sign, magic LED handbag, LED smart women jewelry, dream color shoes and all other color LED lighting application.

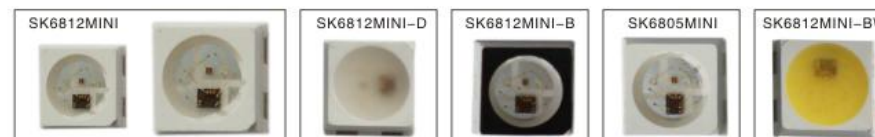
■ Optional customization

(1) Surface of the bracket, white face and black face(B)

(2) The color temperature of white color, warm sunlight (SK6812RGBW-WS), natural white (SK6812RGBW-NW), blue white (SK6812 RGBW-BW) and amber (SK6812RGBW-A).

内置IC点控系列 Within built IC Pixel Control Series

5. SK6812MINI



■ 产品特点

内置SK6812 IC的3535 RGB SMD LED, 可实现单点控制, 逐点扫描, 达到RGB 幻彩追逐, 跑马, 渐变等变化效果。

■ 应用范围

LED幻彩灯条、LED幻彩音响、LED柔性全彩点阵像素屏、LED幻彩服饰、LED幻彩键盘、航模、智能手环、天使眼、LED全彩屏、LED发光玻璃、汽车发光标志、LED幻彩手包、LED女性智能珠宝、幻彩鞋灯等各种LED发光运用领域。

■ 可选定制

(1) IC的电流可选择, 5MA(SK6805)和12MA(SK6812)

(2) 支架表面处理可选择, 白面和黑面(-B)

(3) 灯珠表面胶体可选择, 透明胶体 (SK6812MINI) 和雾状胶体 (SK6812 MINI-D)

■ Features

Within built SK6812 IC 3535RGB SMD LED, achieve single pixel control, point by point scanning, reach magic RGB chase, horse racing, gradual change and other effects.

■ Application

LED dream color strip, portable fantasy audio, computer chassis, fan decoration light, LED flexible full-color pixel screen, LED color clothing, LED color model, keyboard, smart bracelet, angel eyes, full color LED display, LED lighting glass, automobile luminous sign, magic LED handbag, LED smart women jewelry, dream color shoes and all other color LED lighting application.

■ Optional customization

(1) IC current, 5MA (SK6805) and 12MA (SK6812)

(2) Surface of the bracket, white face and black face(-B)

(3) The surface glue of led, transparent (SK6812MINI) and diffuse (SK6812MINI-D)

内置IC点控系列 Within built IC Pixel Control Series

6. SK6805MICRO



■ 产品特点

内置SK6805 IC的2427 RGB SMD LED, 可实现单点控制, 逐点扫描, 达到RGB幻彩追逐, 跑马, 渐变等变化效果。

■ 应用范围

LED幻彩灯条、便携式梦幻音响、电脑机箱、风扇装饰灯、LED柔性全彩点阵像素屏、LED幻彩服饰、LED幻彩键盘、航模、智能手环、天使眼、LED全彩屏、LED发光玻璃、汽车发光标志、LED幻彩手包、LED女性智能珠宝、幻彩鞋灯等各种LED发光运用领域。

■ 可选定制

(1) 支架表面处理可选择, 白面和黑面(-B)

■ Features

Within built SK6812 IC 2427RGB SMD LED, achieve single pixel control, point by point scanning, reach magic RGB chase, horse racing, gradual change and other effects.

■ Application

LED dream color strip, portable fantasy audio, computer chassis, fan decoration light, LED flexible full-color pixel screen, LED color clothing, LED color model, keyboard, smart bracelet, angel eyes, full color LED display, LED lighting glass, automobile luminous sign, magic LED handbag, LED smart women jewelry, dream color shoes and all other color LED lighting application.

■ Optional customization

(1) Surface of the bracket, white fact and black face(B)

内置IC点控系列 Within built IC Pixel Control Series

7. SK9822



■ 产品特点

内置SK9822双线(信号线和时钟线) IC, 高刷新速率的5050 RGB SMD LED, 可实现单点控制, 逐点扫描, 达到RGB幻彩追逐, 跑马, 渐变等变化效果。

■ 应用范围

LED 幻彩灯条、便携式梦幻音响、电脑机箱、风扇装饰灯、LED 柔性全彩点阵像素屏、LED 幻彩服饰、LED幻彩键盘、航模、智能手环、天使眼、LED全彩屏、LED 发光玻璃、汽车发光标志、LED幻彩手包、LED女性智能珠宝、幻彩鞋灯等各种LED发光运用领域。

■ Features

Within built SK9822 2-WIRE(data line and color line) IC high refresh rate 5050 RGB SMD LED, achieve single pixel control, point by point scanning, reach magic RGB chase, horse racing, gradual change and other effects.

■ Application

LED dream color strip, portable fantasy audio, computer chassis, fan decoration light, LED flexible full-color pixel screen, LED color clothing, LED color model, keyboard, smart bracelet, angel eyes, full color LED display, LED lighting glass, automobile luminous sign, magic LED handbag, LED smart women jewelry, dream color shoes and all other color LED lighting application.

内置IC点控系列 Within built IC Pixel Control Series

8. SK9822-W



产品特点

内置SK9822双线 (信号线和时钟线) IC, 高刷新速率的5050R白光 SMD LED, 可实现单点控制, 逐点扫描, 达到白光追逐, 跑马, 渐变等变化效果。

Features

Within built SK9822-WIRE (data line and color line) IC high refresh rate 5050 white color SMD LED, achieve single pixel control, point by point scanning, reach white color chase, horse racing, gradual change and other effects.

应用范围

LED发光字灯串, LED模组, LED软硬灯条, LED护栏管, LED外观/情景照明, LED点光源, LED像素屏, LED异形屏, 各种电子产品, 电器设备跑马灯, 动态广告灯箱。

Application

LED string light, LED module, LED flexible and rigid strip, LED guardrail tube, LED appearance / scene lighting, LED point source, LED pixel screen, LED shaped screen, a variety of electronic products, electrical equipment marquee, LED dynamic advertisement box.

可选定制

(1) 白光色温可选择, 暖白(WS), 自然白(NW) 和正白 (BW)

Optional customization

(1) The color temperature of white color, warm sunlight(WS), natural white(NW) and blue white(BW).

内置IC点控系列 Within built IC Pixel Control Series

9. SK6812RGB(W)P8



产品特点

内置SK6812 (SK6818) IC的5050RGB (RGBW) SMD LED, 8脚, 既具备SOP8封装模式 IC 功能, 又是一个单独的发光灯珠, 搭配5050RGB (RGBW), 应用在12V (一颗P8, 外带2颗RGB (RGBW)), 24V (一颗P8, 外带5颗RGB (RGBW)) 跑马灯带, 比传统外控灯带更美观, 稳定性更好。

Features

Within built SK6812 (SK6818) IC 5050RGB (RGBW) SMD LED, 8PIN, It not only have the function of SOP8 IC, but also is a single led, collocate 5050 RGB (RGBW), used in 12V (a P8, with 2 RGB (RGBW)), 24V (a P8, with 5 RGB (RGBW)) marquee, compare with traditional external control strip, more beautiful, better stability.

应用范围

LED发光字灯串, LED模组, LED 软硬灯条, LED护栏管, LED外观/情景照明, LED点光源, 各种电子产品, 电器设备跑马灯。

Application

LED string light, LED module, LED flexible and rigid strip, LED guardrail tube, LED appearance / scene lighting, LED point source, LED pixel screen, LED shaped screen, a variety of electronic products, electrical equipment marquee.

可选定制

(1) 支架表面处理可选择, 白面和黑面 (-B)

Optional customization

(1) Surface of the bracket, white fact and black face(B)

内置IC点控系列 Within built IC Pixel Control Series

10. SK6822



■ 产品特点

内置SK6822断点续传 IC 的 5050 RGB SMD LED, 可实现单点控制, 逐点扫描, 达到RGB幻彩追逐, 跑马, 渐变等变化效果。

■ 应用范围

LED幻彩灯条、LED幻彩音响、LED柔性全彩点阵像素屏、LED幻彩服饰、LED幻彩键盘、航模、智能手环、天使眼、LED全彩屏、LED发光玻璃、汽车发光标志、LED幻彩手包、LED女性智能珠宝、幻彩鞋灯等各种LED发光运用领域。

■ Features

Within built SK6822 (one broken the following unit still work) IC 5050RGB SMD LED, achieve single pixel control, point by point scanning, reach magic RGB chase, horse racing, gradual change and other effects.

■ Application

LED dream color strip, portable fantasy audio, computer chassis, fan decoration light, LED flexible full-color pixel screen, LED color clothing, LED color model, keyboard, smart bracelet, angel eyes, full color LED display, LED lighting glass, automobile luminous sign, magic LED handbag, LED smart women jewelry, dream color shoes and all other color LED lighting application.

内置IC点控系列 Within built IC Pixel Control Series

11. SIDE FIRING LED



■ 产品特点

内置SK6812 IC的4020RGB SMD 侧发光LED, 可实现单点控制, 逐点扫描, 达到RGB幻彩追逐, 跑马, 渐变等变化效果。

■ 应用范围

LED幻彩灯条、LED室内室外装修、LED幻彩服饰、LED发光玻璃、汽车发光标志、LED幻彩手包、LED女性智能珠宝、幻彩鞋灯等各种LED发光运用领域。

■ 可选定制

(1) IC的电流可选择, 5MA (SK6805 SIDE)和12MA(SK6812 SIDE)

■ Features

Within built SK6812 IC 4020RGB SMD side firing LED, achieve single pixel control, point by point scanning, reach magic RGB chase, horse racing, gradual change and other effects.

■ Application

LED dream color strip, LED indoor and outdoor decoration, LED color clothing, LED lighting glass, automobile luminous sign, magic LED handbag, LED smart women jewelry, dream color shoes and all other color LED lighting application.

■ Optional customization

(1) IC current, 5MA (SK6805 SIDE) and 12MA (SK6812 SIDE)

四合一贴片灯珠 Four color in one SMD LED

5050 RGBW



产品特点

集红、绿、蓝、白四色为一体的 SMD 5050 LED. 可实现四色混色, 渐变, 有 14 种基本色, 比 RGB 颜色更丰富, 功能更多样, 集成白光更节能。

Features

Within Red Green blue and white color in one SMD5050 LED, achieve four color mixed, gradual change, have fourteen basic color, more colorful than RGB, more diverse functions, integrated white light more energy.

应用范围

LED室内气氛照明、LED户外亮化照明和LED汽车照明等

Application

LED indoor lighting, LED outdoor lighting and LED automobile lighting.

可选定制

(1) 白光色温可选择, 金黄 2400~2700K (5050RGBW-GW), 暖白 2800~3200K (5050RGBW-WS), 自然白 3800~4500K (5050RGBW-NW), 正白 5700~7500K (5050RGBW-BW) 和琥珀色 (5050RGBW-A)

Optional customization

(1) The color temperature of white color, gold white 2400~2700K (5050RGBW-GW), warm sunlight 2800~3200K (5050RGBW-WS), natural white 3800~4500K (5050RGBW-NW) and blue white 5700~7500K (5050RGBW-BW) and amber (5050RGBW-A).

可调色温灯珠 Color temperature adjustable LED

5050WW (5050WWR)



产品特点

集暖白和正白为一体的 SMD5050 LED. 色温可从暖白光调到正白光, 若加入红光, 可以调显色指数, 最高可达 92, 并且不改变 LED 亮度。

Features

Within warm sunlight and blue white in one SMD5050 LED. Color temperature can be transferred from the warm sunlight to blue white, if add red color, can adjust the color rendering index, up to 92, and does not change the brightness of LED.

应用范围

生鲜灯, 调光软硬灯条, 吸顶灯, 球泡灯等。

Application

fresh lighting, adjustable flexible and rigid led strip, ceiling lighting, bulb and so on

可选定制

(1) 暖白 2800~3200K, 正白 6000~7000K

Optional customization

(1) Warm sunlight 2800~3200K, blue white 6000~7000K