



DONGYI

Guangdong Dongyi Optoelectronics Technology Co., Ltd.

PROFESSIONAL LED FACTORY

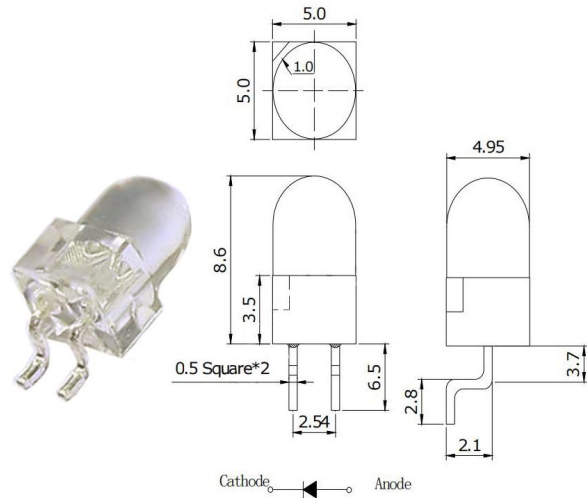
DOGYIR[®]

IR Emitter and Receiver

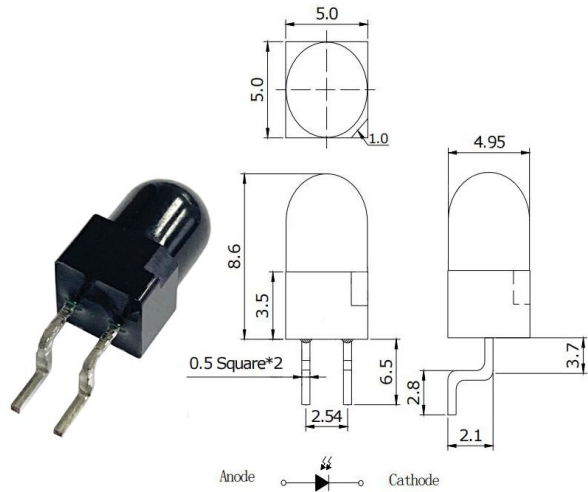
红外发射接收管

850nm/940nm

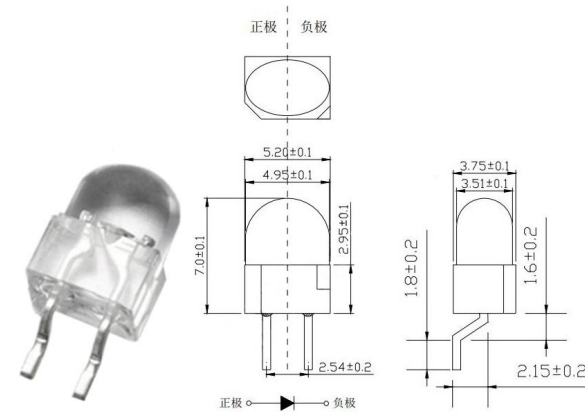




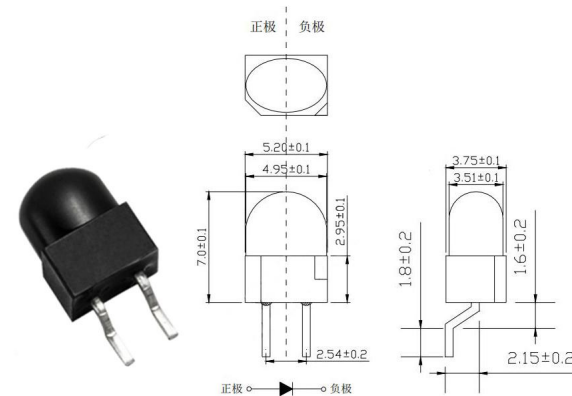
型号(Model Number): L5IR120-2-850
 产品名称(Product name):
 5mm圆头方座850nm红外发射管
 正向电流(Forward Current):100mA
 正向电(Forward Voltage):
 If=50mA Min:1.1V Typ:1.2V
 If=100mA Min:1.2V Typ:1.5V
 辐射强度(Radiant Intensity):
 If=50mA Min:90mW/Sr Typ:170mW/Sr
 If=100mA Min:150mW/Sr Typ:270mW/Sr
 峰值波长(Peak Wavelength):
 Typ:850nm



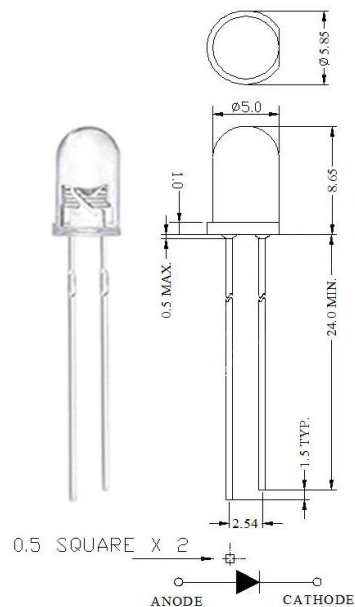
型号(Model Number): L5IRJ24-2-402
 产品名称(Product name):
 5mm圆头方座850nm红外接收管
 波长范围(Range Of Spectral Bandwidth):
 Min:700nm Max:1000nm
 峰值波长(Wavelength Of Peak Sensitivity):
 Typ:850nm
 光电流(Reverse Light Current):
 Min:25uA Max:45uA
 上升/下降时间(Rise Time/Fall Time):
 Typ:45/45nS Max:50/50nS



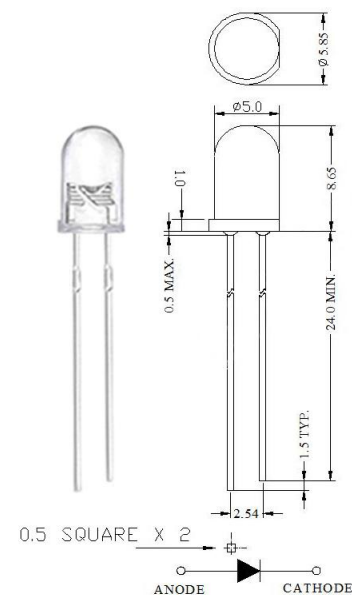
型号(Model Number): L5IR120-2-940
 产品名称(Product name):
 5mm椭圆方座940nm红外发射管
 正向电流(Forward Current):100mA
 正向电压(Forward Voltage):
 If=50mA Min:1.1V Typ:1.2V
 If=100mA Min:1.2V Typ:1.5V
 辐射强度(Radiant Intensity):
 If=100mA Min:30mW/Sr Typ:35mW/Sr
 峰值波长(Peak Wavelength):
 Typ:940nm



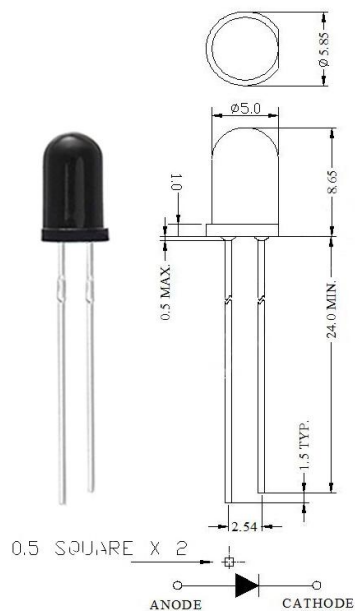
型号(Model Number): L5IRJ24-2-402-A
 产品名称(Product name):
 5mm椭圆方座940nm红外接收管
 波长范围(Range Of Spectral Bandwidth):
 Min:860nm Max:1000nm
 峰值波长(Wavelength Of Peak Sensitivity):
 Typ:940nm
 光电流(Reverse Light Current):
 Min:10uA Max:20uA
 上升/下降时间(Rise Time/Fall Time):
 Typ:45/45nS Max:50/50nS



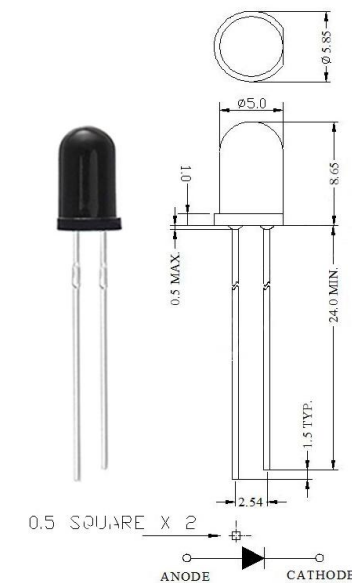
型号(Model Number): L51R120-4-850
 产品名称(Product name):
 5mm圆头850nm红外发射管
 正向电流(Forward Current):
 100mA
 正向电压(Forward Voltage):
 If=20mA Typ:1.4V Max:1.65V
 辐射强度(Radiant Intensity):
 If=20mA Min:90mW/Sr Typ:110mW/Sr
 峰值波长(Peak Wavelength):
 Typ:850nm



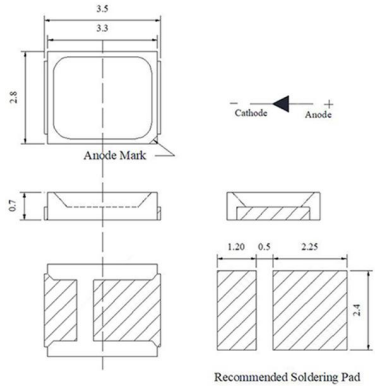
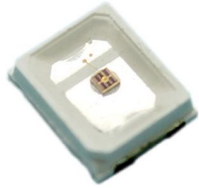
型号(Model Number): L51R120-4-940
 产品名称(Product name):
 5mm圆头940nm红外发射管
 正向电流(Forward Current):100mA
 正向电压(Forward Voltage):
 If=20mA Typ:1.2V Max:1.4V
 If=100mA Min:1.4V Typ:1.8V
 辐射强度(Radiant Intensity):
 If=20mA Min:20mW/Sr Typ:28mW/Sr
 If=100mA Typ:85mW/Sr
 峰值波长(Peak Wavelength):
 Typ:940nm



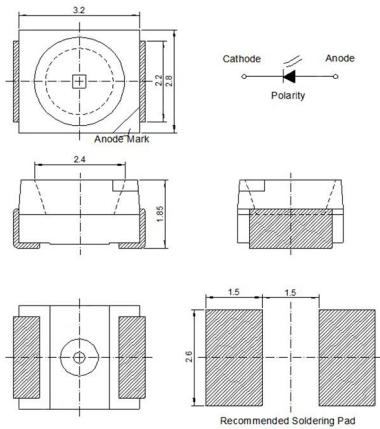
型号(Model Number): L51RJ24-4-402
 产品名称(Product name):
 5mm圆头850nm红外接收管
 波长范围(Range Of Spectral Bandwidth):
 Min:700nm Max:1000nm
 峰值波长(Wavelength Of Peak Sensitivity):
 Typ:850nm
 光电流(Reverse Light Current):
 Min:10uA Typ:25uA
 上升/下降时间(Rise Time/Fall Time):
 Typ:50/50nS



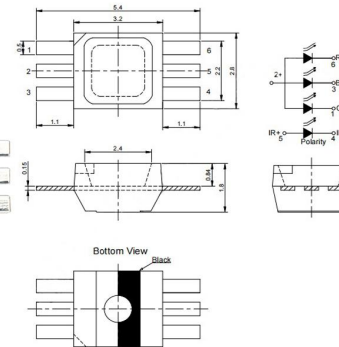
型号(Model Number): L51RT24-4-402-A
 产品名称(Product name):
 5mm圆头940nm红外接收管
 波长范围(Range Of Spectral Bandwidth):
 Min:860nm Max:1000nm
 峰值波长(Wavelength Of Peak Sensitivity):
 Typ:940nm
 光电流(Reverse Light Current):
 Min:20uA Typ:30uA
 上升/下降时间(Rise Time/Fall Time):
 Typ:5/5nS



型号(Model Number): DY-2835IRUC-850
 产品名称(Product name): 2835红外发射管850nm
 发光角度(Viewing Angle): 120°
 正向电流(Forward Current): 100mA
 正向电压(Forward Voltage):
 $I_f=20\text{mA}$ Typ:1.35V Max:1.7V
 辐射强度(Radiant Intensity):
 $I_f=20\text{mA}$ Min:1.5mW/Sr Typ:3mW/Sr
 峰值波长(Peak Wavelength):
 Typ: 850nm



型号(Model Number): DY-3528IRUC-850
 产品名称(Product name): 3528红外发射管850nm
 发光角度(Viewing Angle): 120°
 正向电流(Forward Current): 100mA
 正向电压(Forward Voltage):
 $I_f=20\text{mA}$ Typ:1.4V Max:1.6V
 辐射强度(Radiant Intensity):
 $I_f=20\text{mA}$ Min:1mW/Sr Typ:3mW/Sr
 峰值波长(Peak Wavelength):
 Typ: 850nm



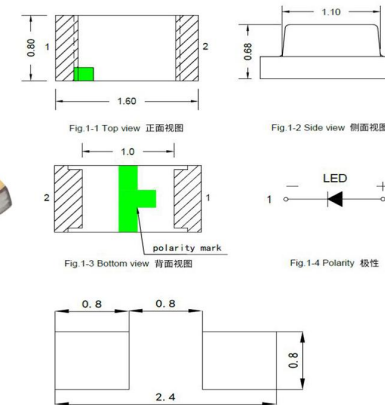
型号(Model Number): DY-3528RGBIRUC-850
 产品名称(Product name): 3528R/G/B/IR 850nm
 发光角度(Viewing Angle): 120°
 正向电流(Forward Current):
 $R:20\text{mA}$ $G:20\text{mA}$ $B:20\text{mA}$ $IR:30\text{mA}$
 正向电压(Forward Voltage):
 $I_f=20\text{mA}$ Min: Typ: Max:

R:	1.8	---	2.6	V
G:	2.8	---	3.6	V
B:	2.8	---	3.6	V
IR:	1.2	1.4	1.6	V

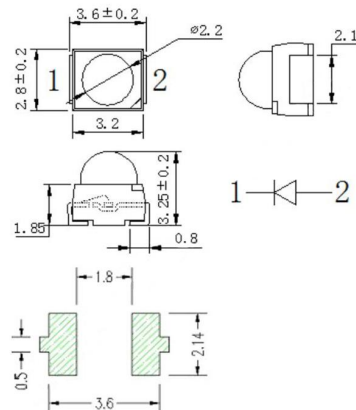
 辐射强度(Radiant Intensity):
 $I_f=20\text{mA}$ Min: Typ:

R:	200	270	mcd
G:	1000	1300	mcd
B:	180	230	mcd
IR:	1.5	3.0	m/sr

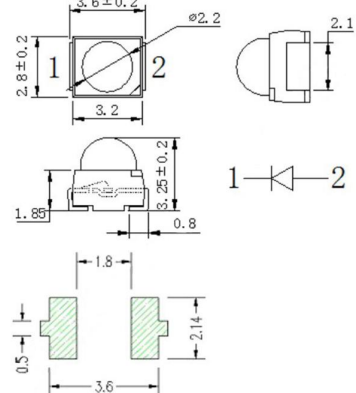
 峰值波长(Peak Wavelength):
 Min:840nm Typ: 850nm Max:860nm



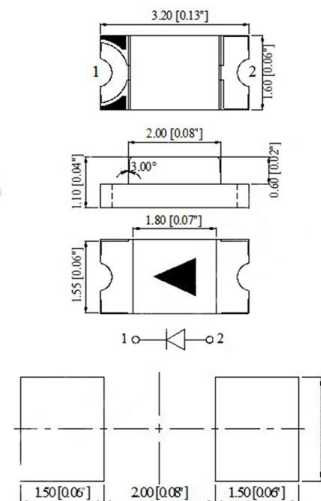
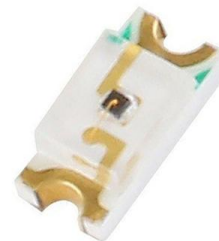
型号(Model Number): DY-0603IRUC-850
 产品名称(Product name): 0603红外发射管850nm
 发光角度(Viewing Angle): 120°
 正向电流(Forward Current): 50mA
 正向电压(Forward Voltage):
 $I_f=50\text{mA}$ Typ:1.3V Max:1.5V
 辐射强度(Radiant Intensity):
 $I_f=50\text{mA}$ Typ:5.5mW/Sr
 峰值波长(Peak Wavelength):
 Typ: 850nm



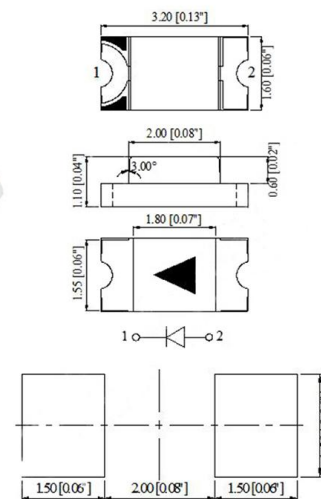
型号(Model Number):DY-3528IRUC-940
 产品名称(Product name):
 3528红外发射管 940nm
 发光角度(Viewing Angle): 30°
 正向电流(Forward Current): 100mA
 正向电压(Forward Voltage):
 $I_f=80\text{mA}$ Min:1.3V Typ:1.45V Max:1.7V
 辐射强度(Radiant Intensity):
 $I_f=20\text{mA}$ Min:12mW/Sr Typ:20mW/Sr
 峰值波长(Peak Wavelength):
 Typ: 940nm



型号(Model Number):DY-3528IRTUC-940
 产品名称(Product name):
 3528红外接收管940nm
 发光角度(Viewing Angle): 30°
 波长范围(Range Of Spectral Bandwidth):
 Min:860nm Max:1000nm
 峰值波长(Wavelength Of Peak Sensitivity):
 Typ:940nm
 光电流(Reverse Light Current):
 Min:0.15uA Max:0.8uA
 上升/下降时间(Rise Time/Fall Time):
 Typ:30/30nS

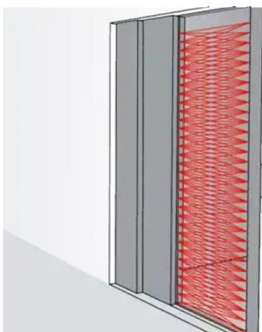


型号(Model Number):DY-1206IRUC-850
 产品名称(Product name):
 1206红外发射管850nm
 发光角度(Viewing Angle): 120°
 正向电流(Forward Current): 50mA
 正向电压(Forward Voltage):
 $I_f=20\text{mA}$ Typ:1.3V Max:1.7V
 辐射强度(Radiant Intensity):
 $I_f=20\text{mA}$ Min:1.5mW/Sr
 峰值波长(Peak Wavelength):
 Typ: 850nm



型号(Model Number):DY-1206IRUC-940
 产品名称(Product name):
 1206红外发射管940nm
 发光角度(Viewing Angle): 120°
 正向电流(Forward Current): 50mA
 正向电压(Forward Voltage):
 $I_f=20\text{mA}$ Min:1.1V Max:1.7V
 辐射强度(Radiant Intensity):
 $I_f=20\text{mA}$ Min:0.3mW/Sr Max:1.0mW/Sr
 峰值波长(Peak Wavelength):
 Typ: 940nm

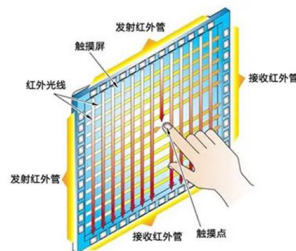
应用(Applications)



电梯门
(Elevator door)



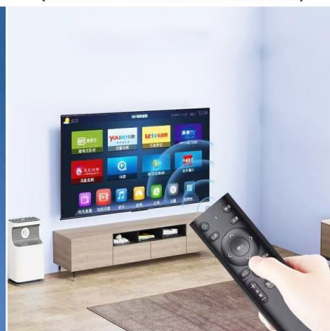
交互式一体机
(Infrared interactive devices)



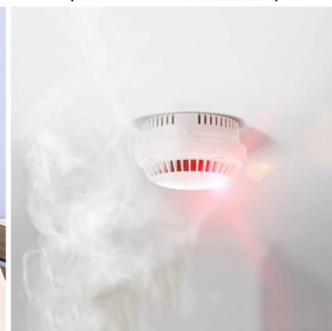
红外触摸边框
(Infrared touch screen)



红外监控摄像头
(Infrared monitor)



红外遥控
(Infrared remote control)



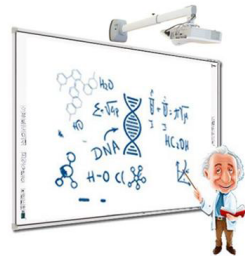
烟雾报警器
(Smoke Alarm)



医疗产品
(Medical products)



电子标签
(Electronic Labels)



电子白板
(Electronic whiteboard)

特征 (Feature) :

1.低能耗、寿命长

Low power consumption、 Long life-solid state reliability

2.大角度发射与接收

With wide beam angle for emission and receiving

3.响应速度快(ns级)

The fast response speed(ns level)

4.发射与接收距离远

The long distance for emission and receiving

5.抗干扰能力强

With strong anti-interference ability