技术数据表

特点（C　　）：

*

High reliability　High radiant intensity　Low forward voltage

*

Fast response time　High photo sensitivity

*　　940nm

Cut-off visible wavelength λp=940nm

*　　Rohs

Pb.Free　RoHS compliant version

*　　MSL　:2

Moisture sensitivity level　MSL　: 2 levels

应用领域（P　　）：

*

Slot　machines

*

Small　home　appliances

*

Automatic Sensors

*

Fax machine

*

Scanner

目录

Catalogue

电性参数

✧极限参数 ：Absolute Maximum Ratings (Temperature=25ÁC):

Input Emitter	Power Dissipation*1	PD	75	mW
	Continuous Forward Current	IF	50	mA
	Peak Forward Current*2	IFP	200	mA
	Reverse Voltage	VR	5	V
Output Detector	Power Dissipation*1	PD	75	mW
	- Collector-Emitter Voltage	VCEO	35	V
	- Emitter-Collector Voltage	VECO	5	V
	Collector Current	IC(on)	20	mA
Operating Temperature		Topr	-25~+85	
Storage Temperature		Tstg	-40~+85	
Lead Soldering Temperature*3		Tsol	260	

=25℃）：

Electro-Optical Charasteristics (Temperature=25ÁC):

电压分档:

代码	最小值	最大值	单位	测试条件
R2-4	1.2	1.6	V	IF=20mA

光电流分档:
Collector Current grading:

代码	最小值	最大值	单位	测试条件
IC6-18	0.3	0.9	mA	IF=20mA VCE=5V

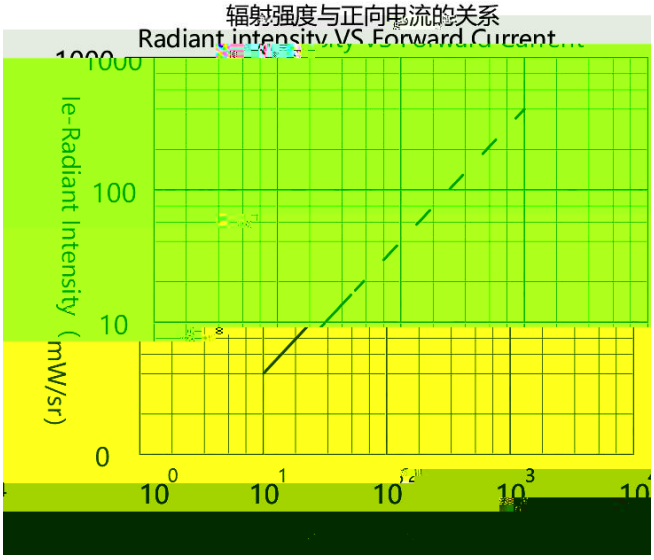
典型特性曲线

发射管特性曲线图 Typical Electro-Optical Characteristics Curves-IR

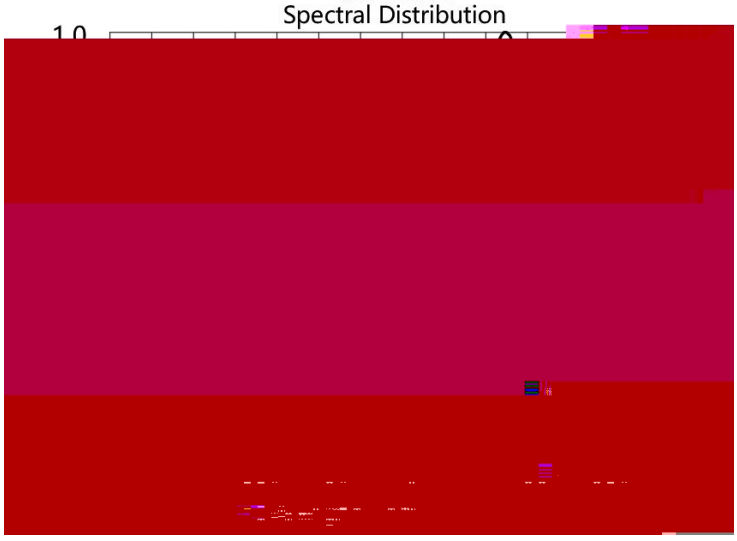
正向电流与环境温度的关系
Forward Current VS Ambient Temperatur

正向电流与正向电压的关系

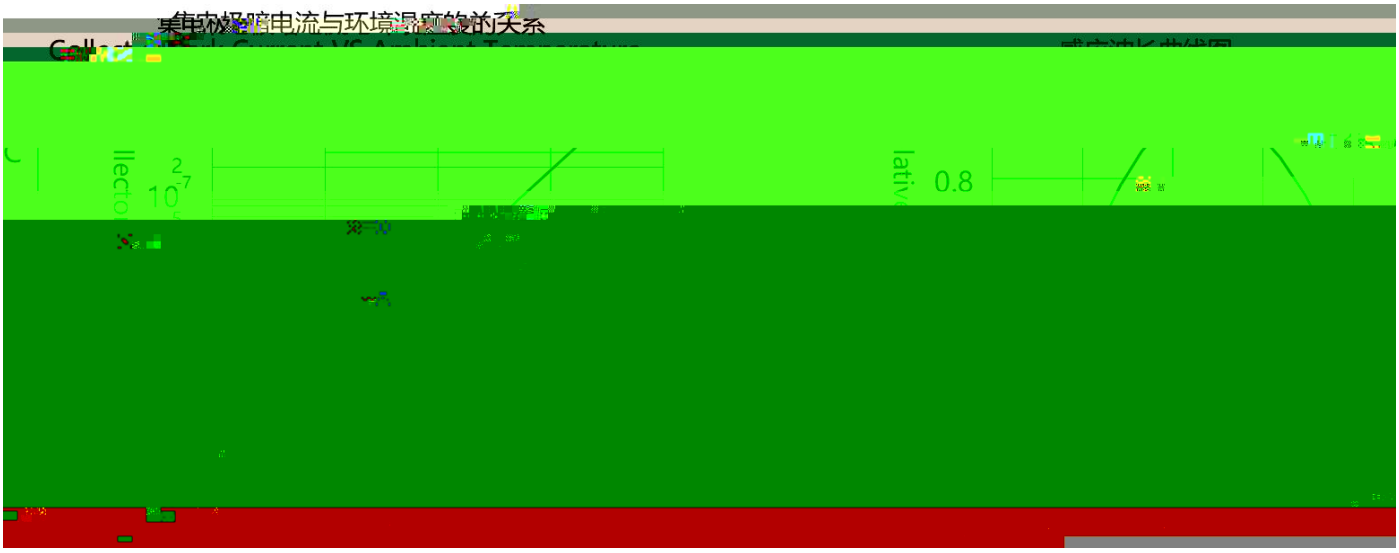
辐射强度与正向电流的关系
Radiant intensity VS Forward Current

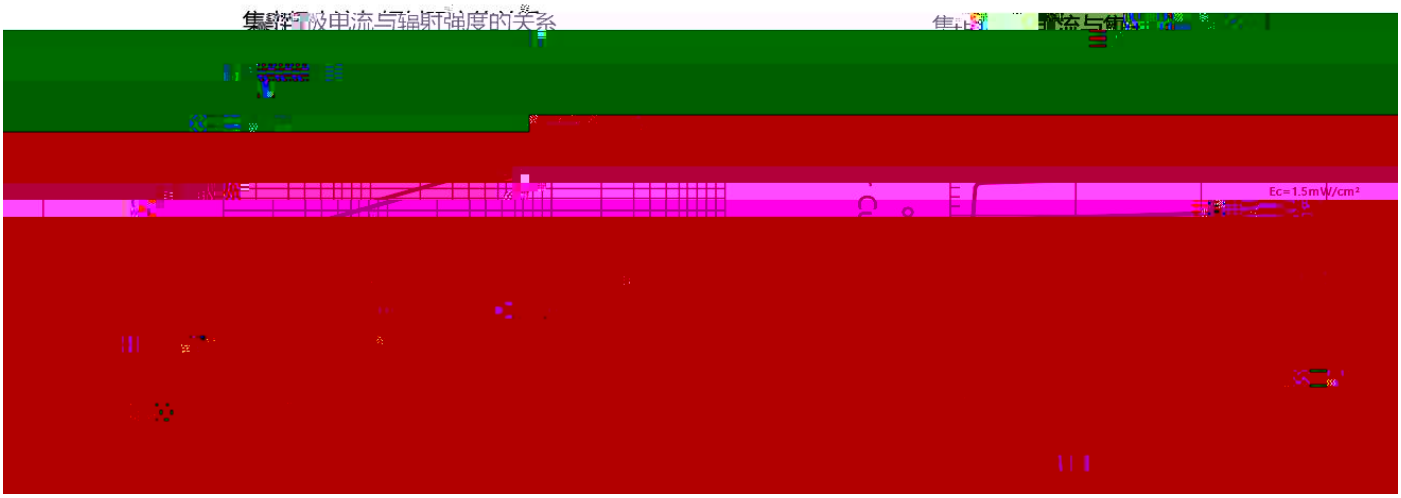


波长曲线图
Spectral Distribution

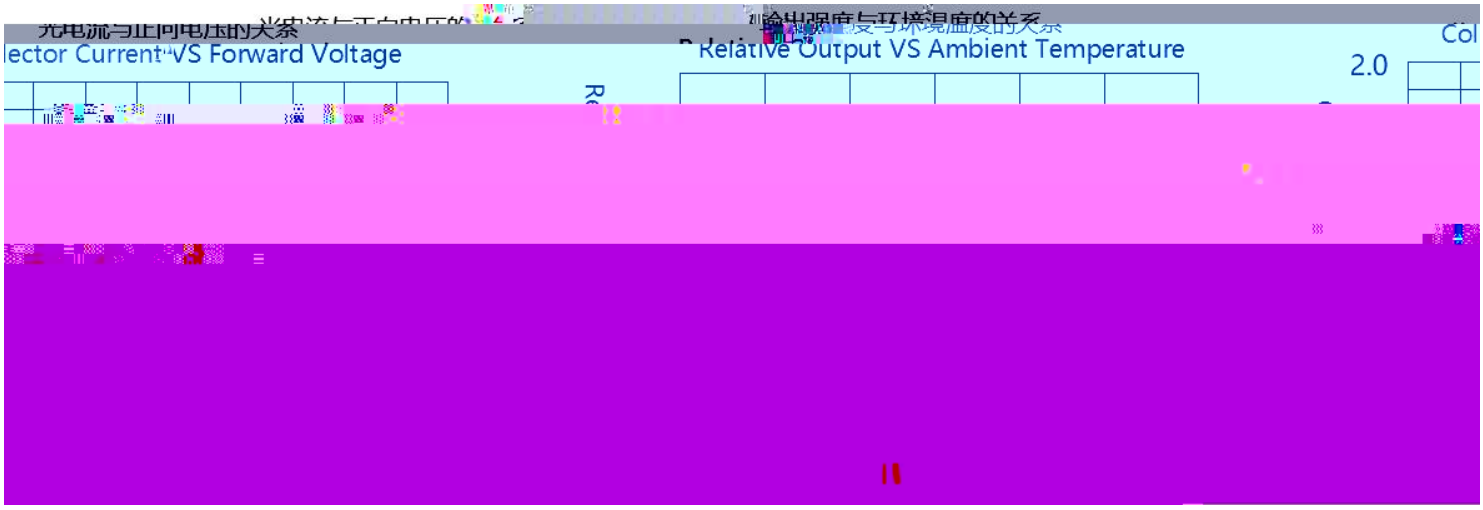


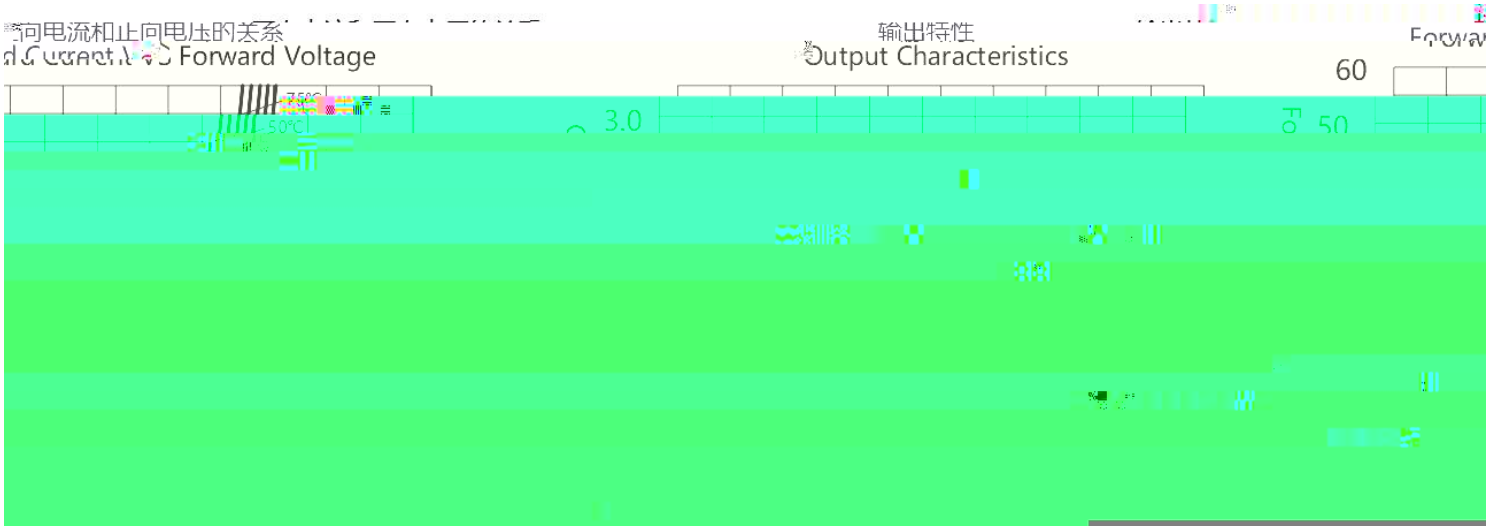
接收管特性曲线图



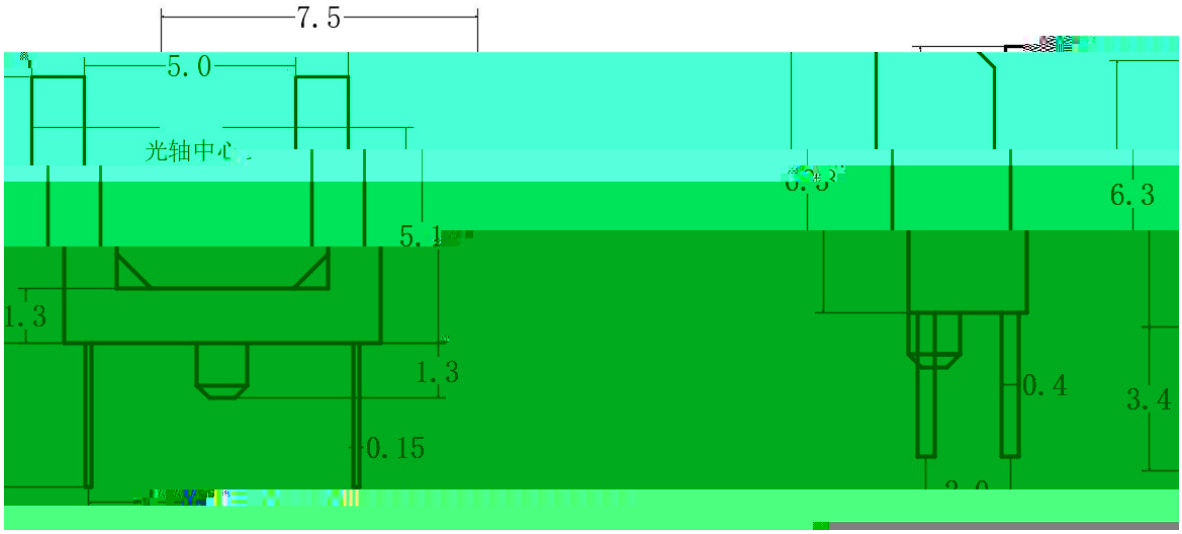


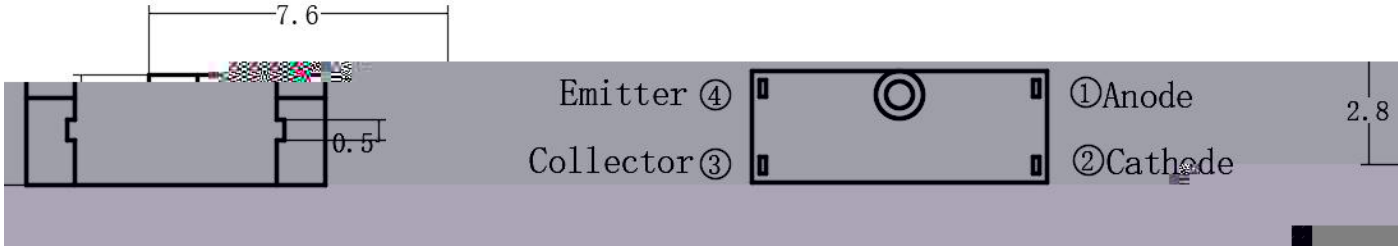
光电开关特性曲线图


ector Current VS Forward Voltage
Relative Output VS Ambient Temperature
2.0


Forward Current VS Forward Voltage
Output Characteristics
3.0
60
50

外形尺寸





1. mm

Remarks: 1 Unit: mm

2. Ñ0.3mm

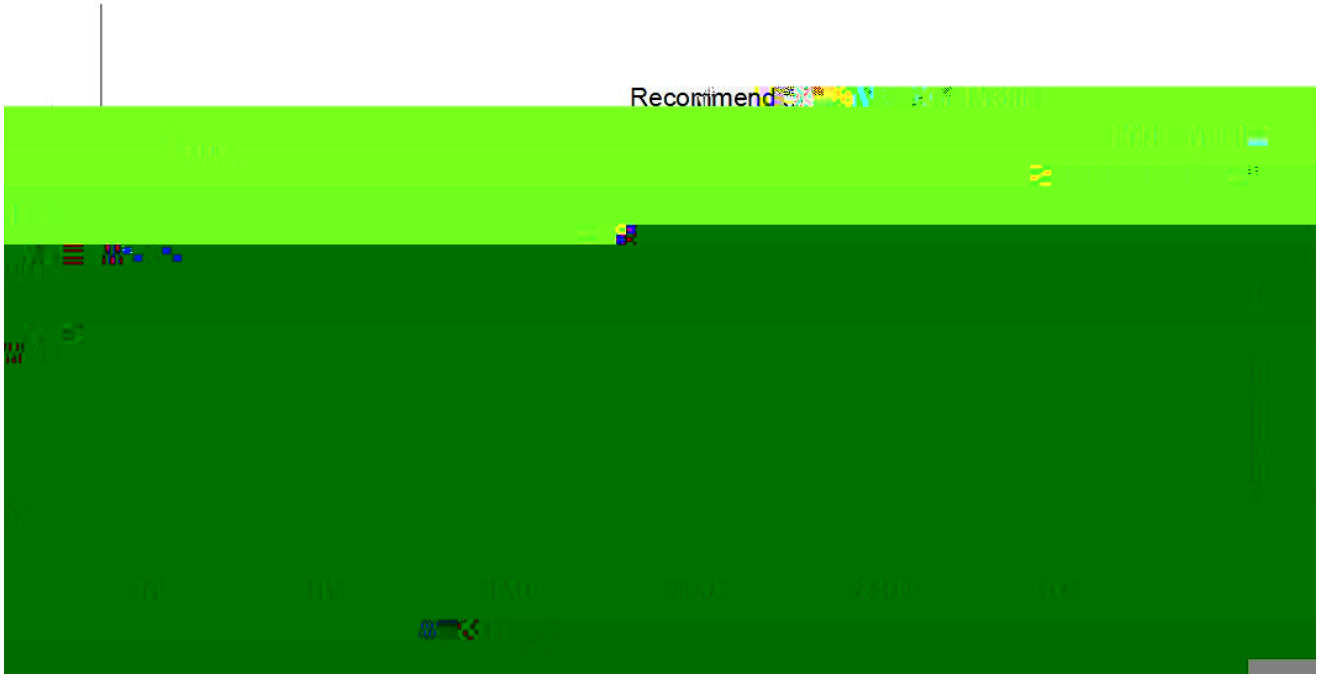
2. Tolerance: Ñ 0.3mm unless otherwise specified

包装

XINGLIGHT
标签说明 Label Expantion
CPN：批号/档位
LOT：日期
MPN：型号
VF：电压
ORIGIN：产地
IC：光电流
XINGLIGHT
CPN:65P250626CXG01
ROHS
LOT:C250626-1203
QTY:1000
Package:Optical Switch

焊接指导

The wave peak welding curve is recommended :



Note

1
Lead solder temperature profile

2
Peak welding shall oe "]

烙铁条件 Soldering Iron

300 3 25W

Each terminal is to go to the tip of soldering iron temperature less than 300 for 3 seconds within once in less than the soldering iron capacity 25W. Leave two seconds and more intervals, and do soldering of each terminal. Be careful because the damage of the product is often started at the time of the hand solder.

手工补数 Repairing

LED ( )

LED

Repair should not be done after the LED have been soldered. When repairing is unavoidable, a double-head soldering iron should be used (as below figure). It should be confirmed beforehand whether the characteristics of the LED will or will not be damaged by repairing.

使用注意事項

NPN

IR

IR PT

This product It is composed of infrared emission diode and NPN silicon photo transistor, which are packaged side by side in black On the imaging optical axis