技术数据表

特点（C ）：

* ~ a

目录

Catalog

电性参数

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

Input Emitter	Power Dissipation*1	PD	75	mW
	Continuous Forward Current	IF	50	mA
	Peak Forward Current*2	IFP	1000	mA
	Reverse Voltage	VR	5	V
Output Detector	Power Dissipation*1	PD	75	mW
	- Collector-Emitter Voltage	VCEO	30	V
	- Emitter-Collector Voltage	VECO	5	V
	t Collector Cur			

=25℃）：

Electro-Optical Charasteristics (Temperature=25ÁC):

Input	Forward Voltage	VF	IF=20mA	--	1.2	1.6	V
	Perk Wavelength	∂P	IF=20mA	--	940	--	nm
	Reverse Current	IR	VR=5V	--	--	10	εA
Output	Dark Current	ICEO	Ee=0mW/cm^2 VCE=20V	--	--	100	nA
	- C-E Saturation Voltage	VCE(SAT)	IC=2mA Ee= 1mW/cm^2	--	--	0.4	V
Transfer Characteristics	Rise Time	tr	VCE=5V IC= 1mA RL= 1000q	--	15	--	εS
	Fall Time	tf		--	15	--	
	Collector Current	IC(ON)	IF=20mA VCE=5V	1	10	--	mA

(Note)

* 25 below 25 Free Air Temperature
* 100us 1% Pulse width 100εs,Duty cycle= 1%
* 2mm 5s 2mm form body for 5 seconds

电压分档

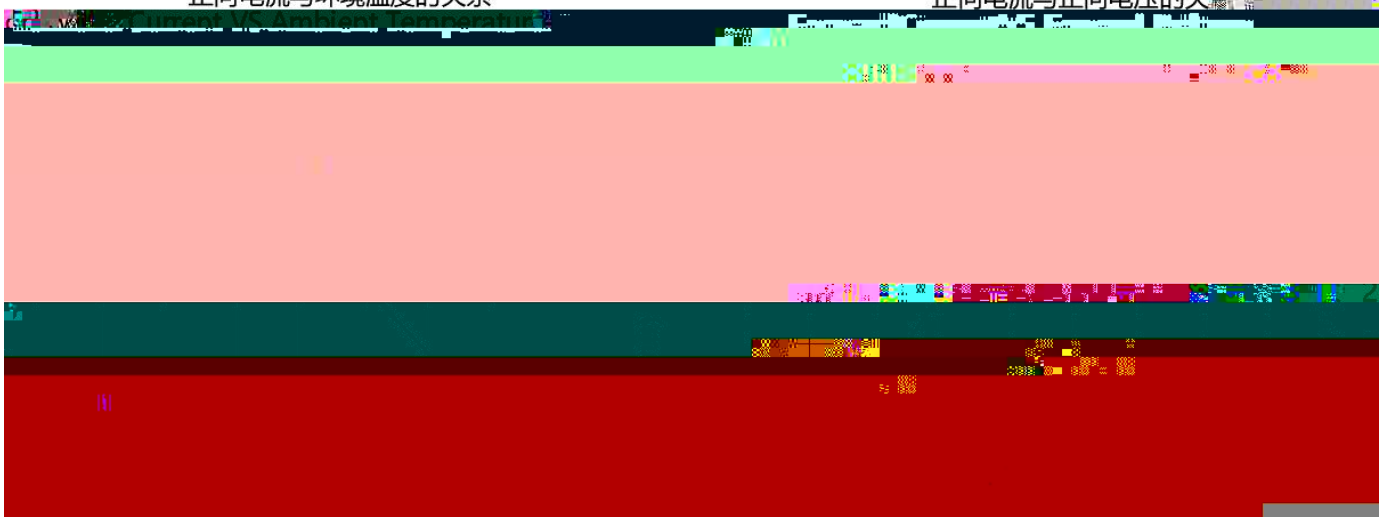
：

代码	最小值	最大值

典型特性曲线

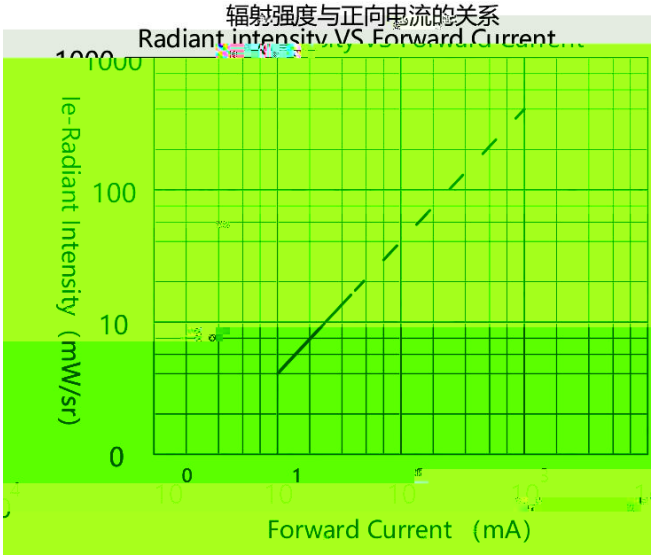
发射管特性曲线图

正向电流与环境温度的关系

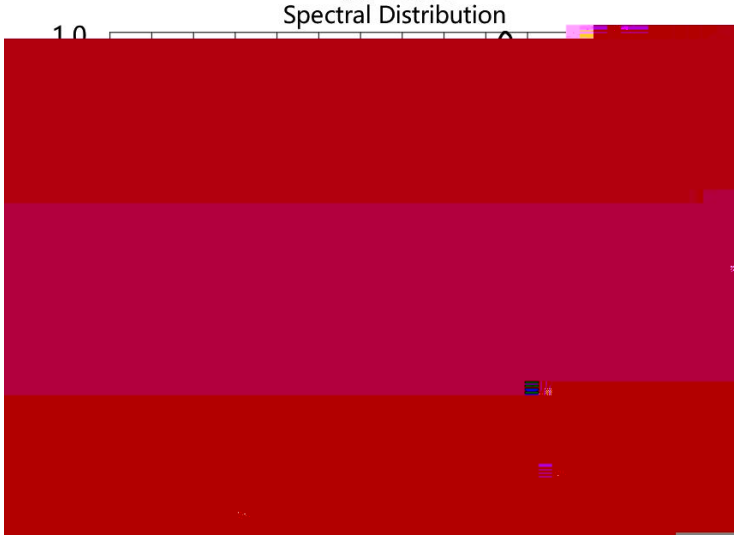


正向电流与正向电压的关系

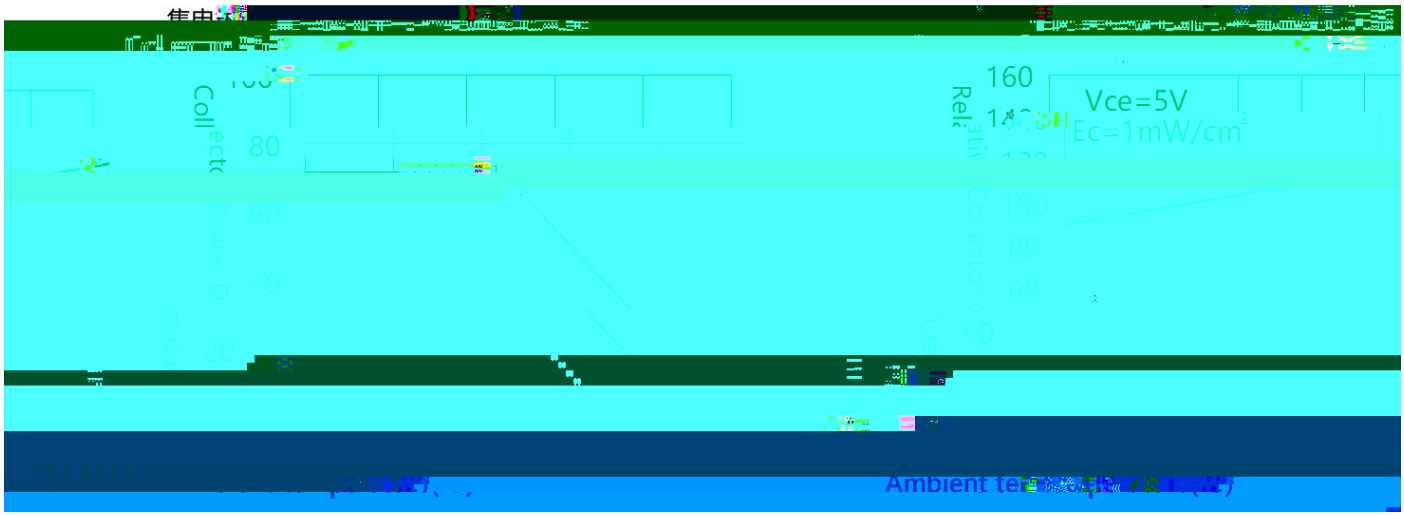
辐射强度与正向电流的关系

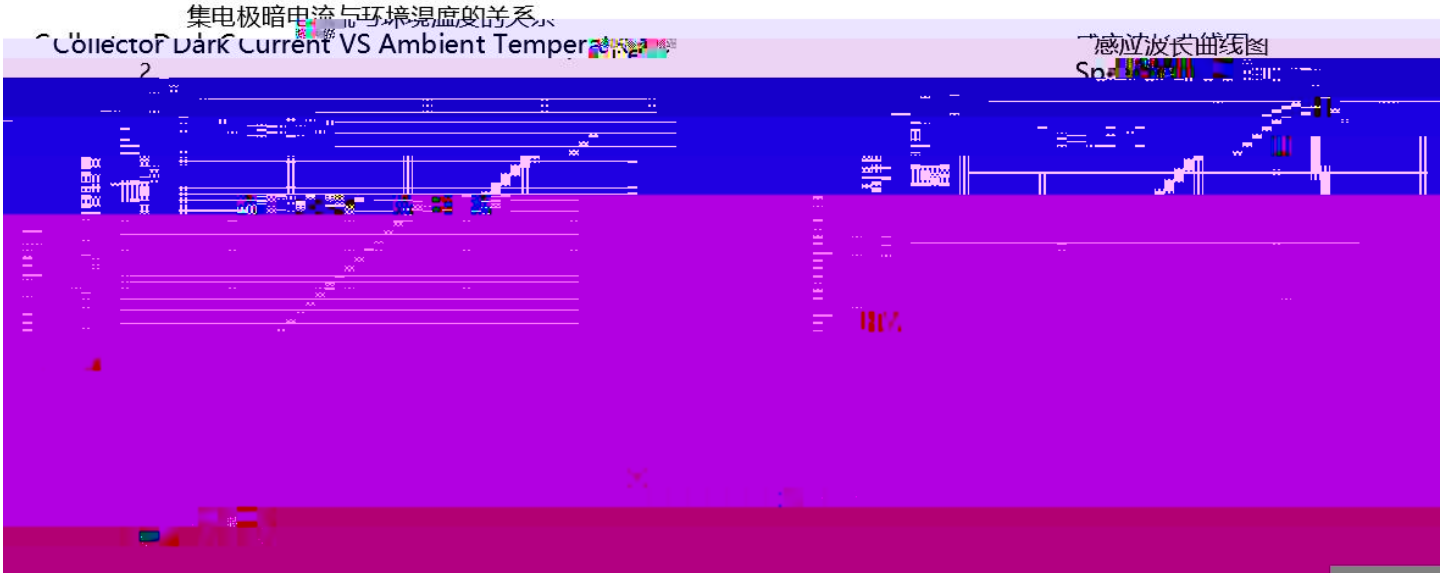


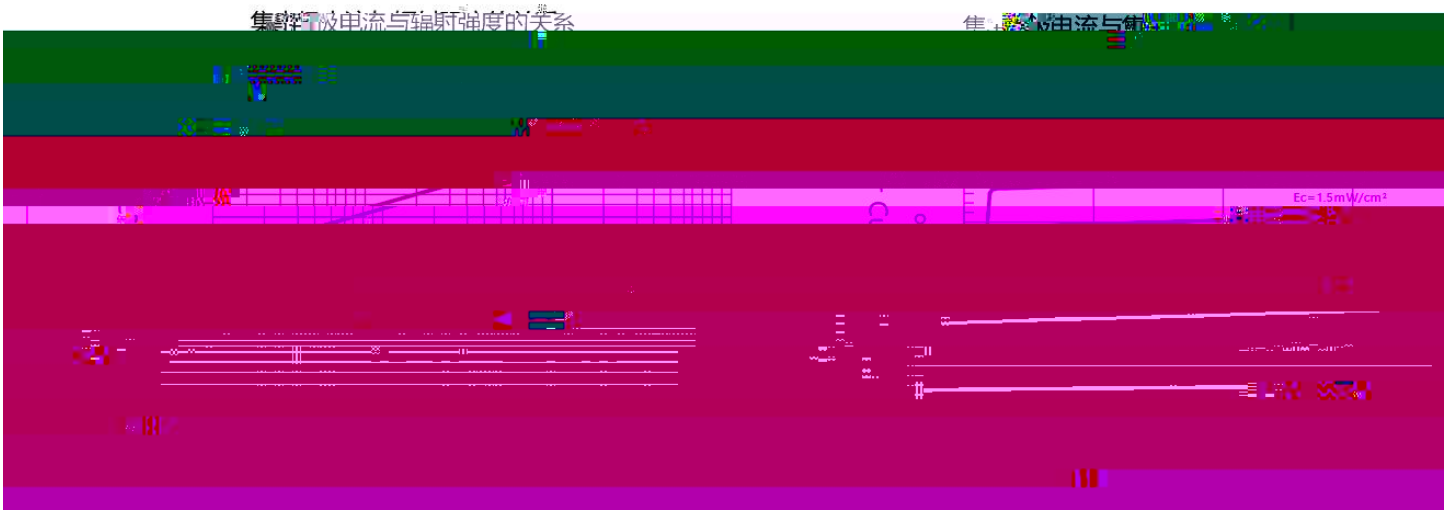
波长曲线图
Spectral Distribution



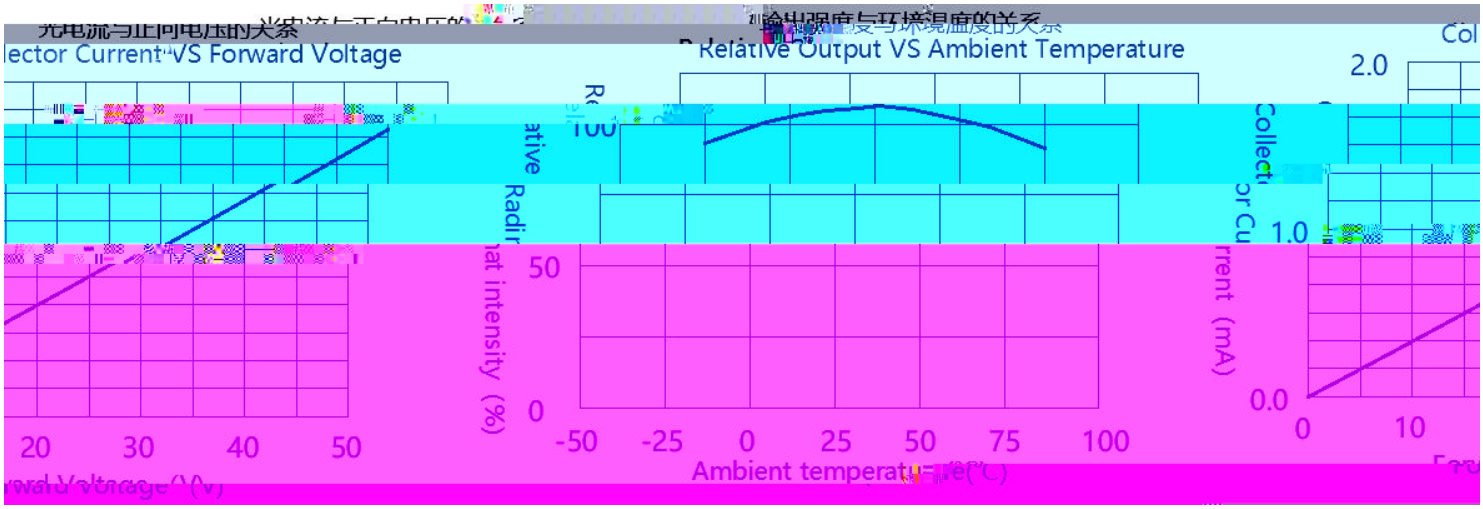
接收管特性曲线图

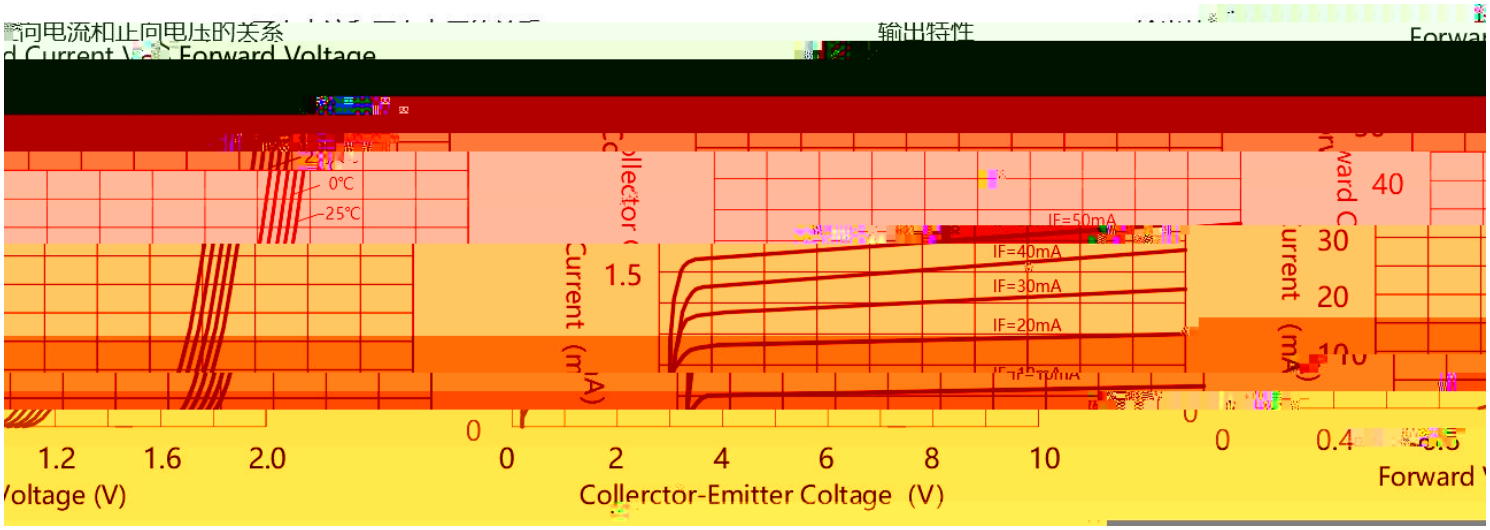

160
Vce=5V
Ec=1mW/cm²
80
60
40
20
100
80
60
40


Collector Dark Current VS Ambient Temperature
Spectral Response

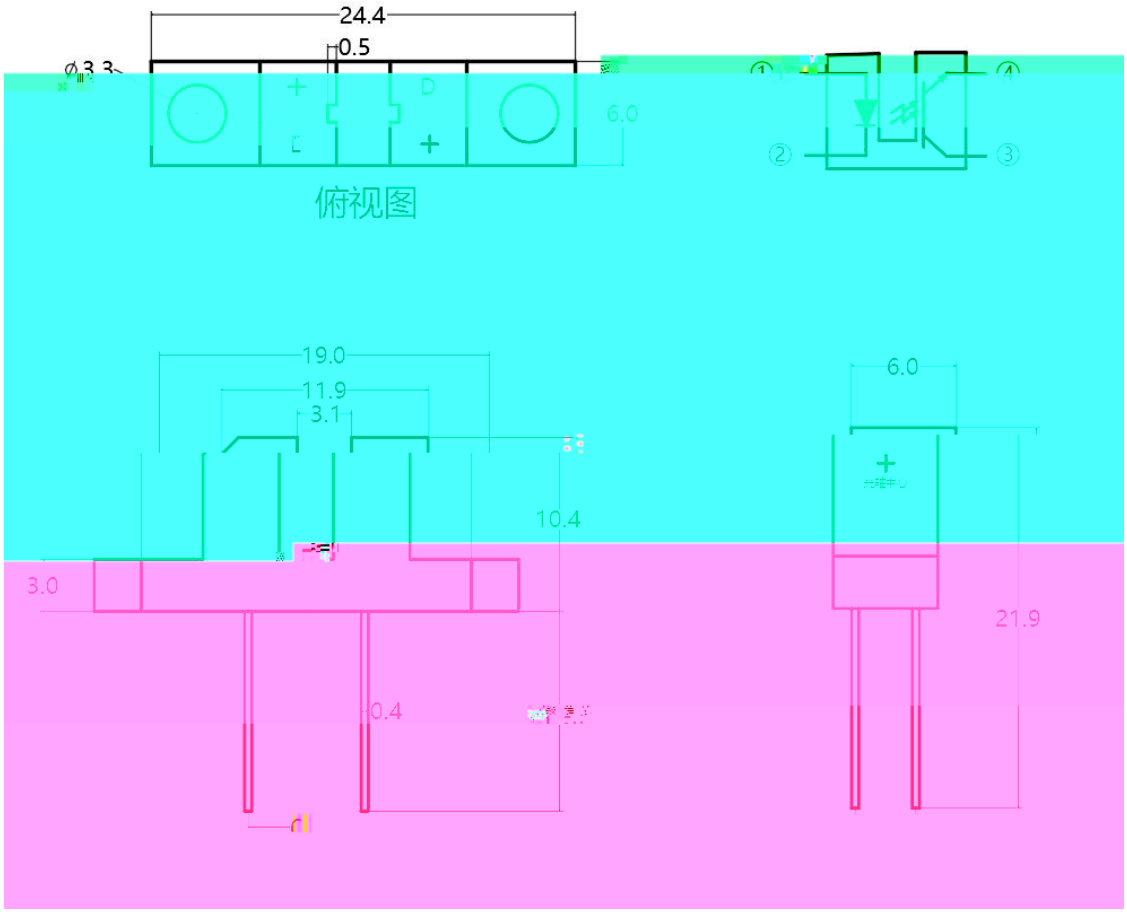

Ec=1.5mW/cm²

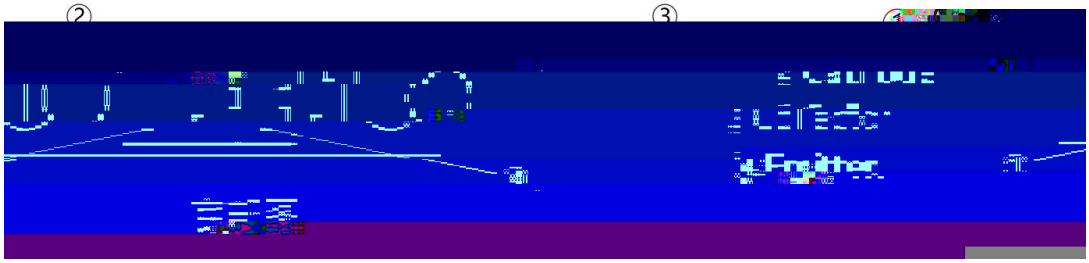
光电开关特性曲线图


lector Current VS Forward Voltage
Relative Output VS Ambient Temperature
Ambient temperature (°C)
20
30
40
50
-50
-25
0
25
50
75
100
0
10
2.0
1.0
0.0


0°C
25°C
IF=50mA
IF=40mA
IF=30mA
IF=20mA
1.5
40
30
20
1.2
1.6
2.0
0
2
4
6
8
10
0.4
Collerctor-Emitter Coltage (V)

外形尺寸





1. mm

Remarks: 1 Unit: mm

2. Ñ0.3mm

2. Tolerance: Ñ 0.3mm unless otherwise specified

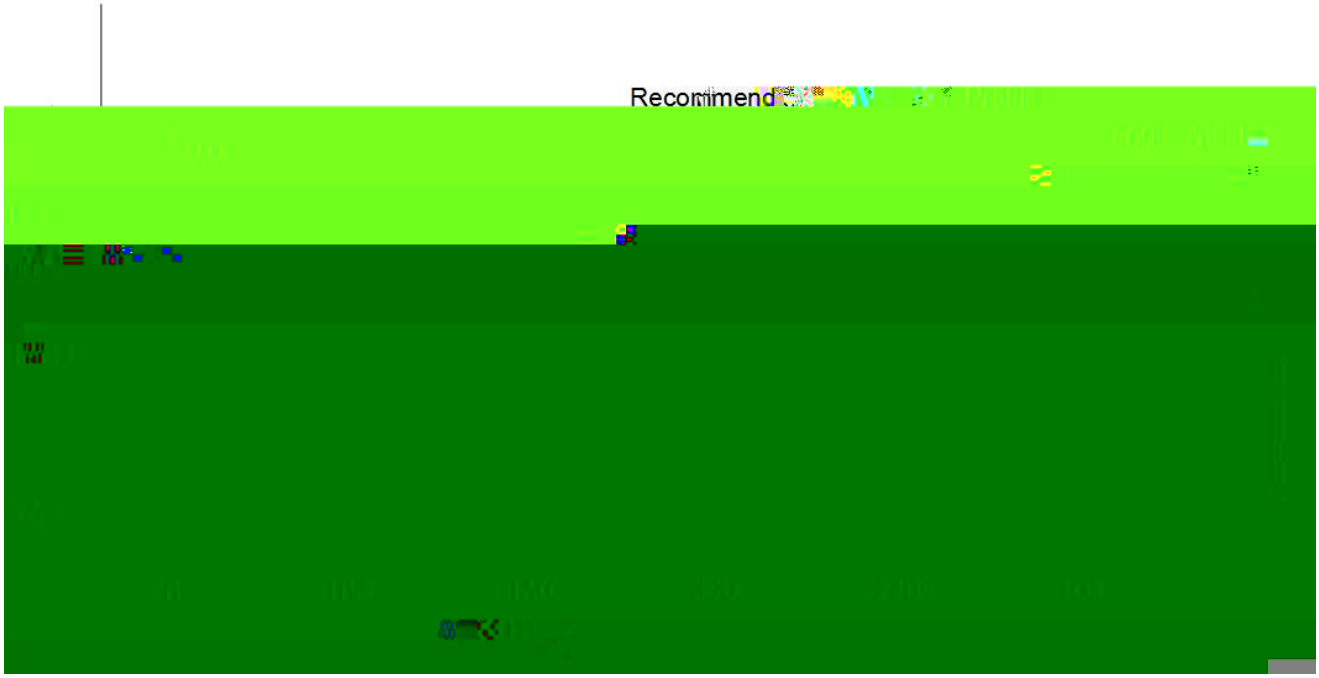
包装

Moisture Proof and Antti-Electrostic Foil Bag

Label Expantion

焊接指导

The wave peak welding curve is recommended :



Note

1
Lead solder temperature profile

2
Peak welding shall not be done more than once

3 LED
When soldering, do not put stress on the LED during heating

4
After soldering, do not warp the circuit board

5 240 ± 5 /6S
The recommended maximum welding temperature for the product is 240 ± 5 /6s

烙铁条件

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

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.

使用注意事项

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 converging optical axis in the thermoplastic shell. Photo transistor only receives radiation from IR