



特点 (C) :
* a

目录

Catalan

电性参数

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

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

(Temperature=25°C) :

Electro-Optical Characteristics (Temperature=25°C):

Input	Forward Voltage	V _F	I _F =20mA	--	1.2	1.6	V
	Peak Wavelength	λ _P	I _F =20mA	--	940	--	nm
	Reverse Current	I _R	V _R =5V	--	--	10	μA
Output	Dark Current	I _{CEO}	E _e =0mW/cm ² V _{CE} =20V	--	--	100	nA
	C-E Saturation Voltage	V _{CE(SAT)}	I _C =2mA E _e = 1mW/cm ²	--	--	0.4	V
Transfer Characteristics	Rise Time	t _r	V _{CE} =5V I _C = 1mA R _L = 100Ω	--	15	--	μs
	Fall Time	t _f		--	15	--	
	Collector Current	I _{C(ON)}	I _F =20mA V _{CE} =5V	1	10	--	mA

(Note)

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



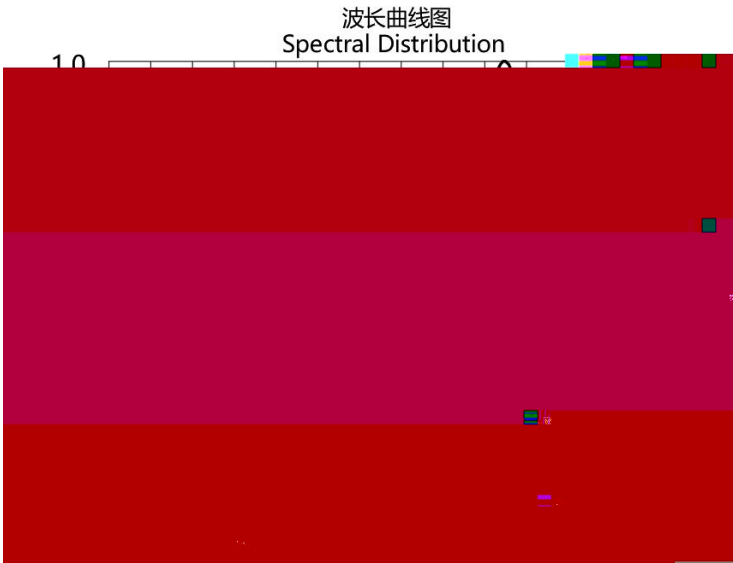
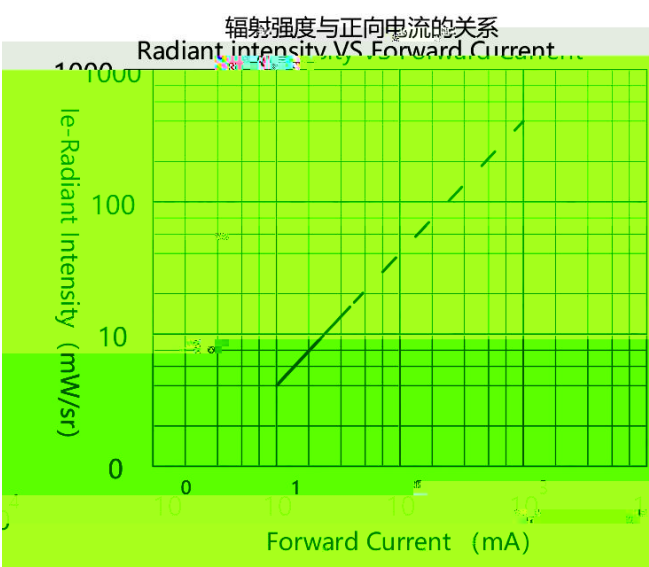
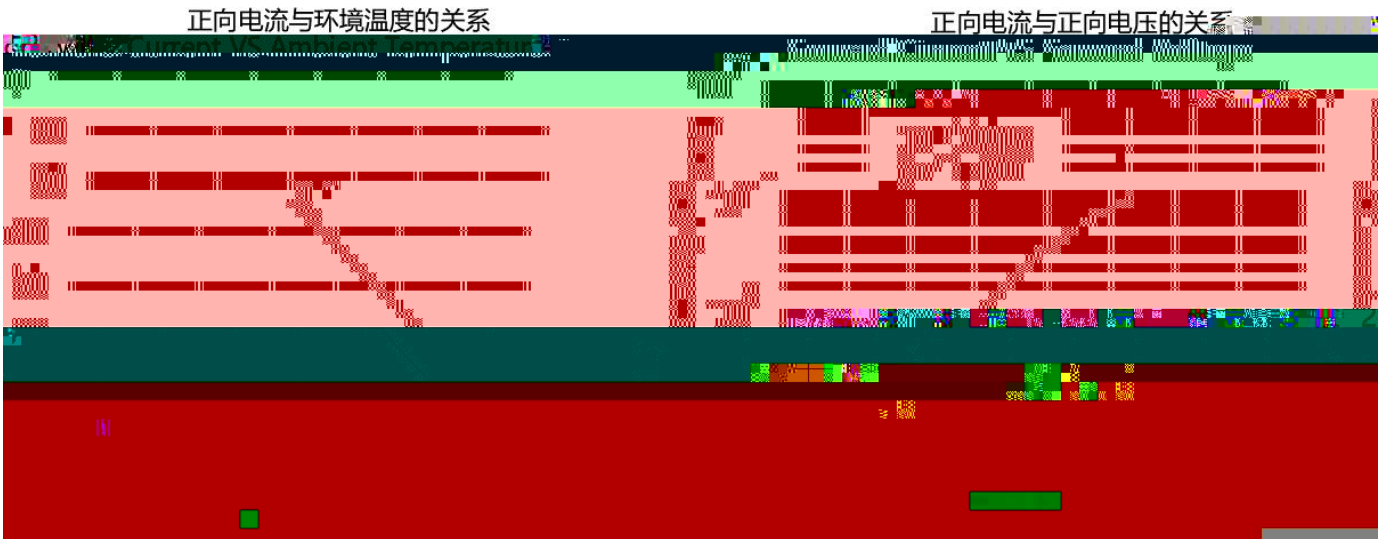
由正公知

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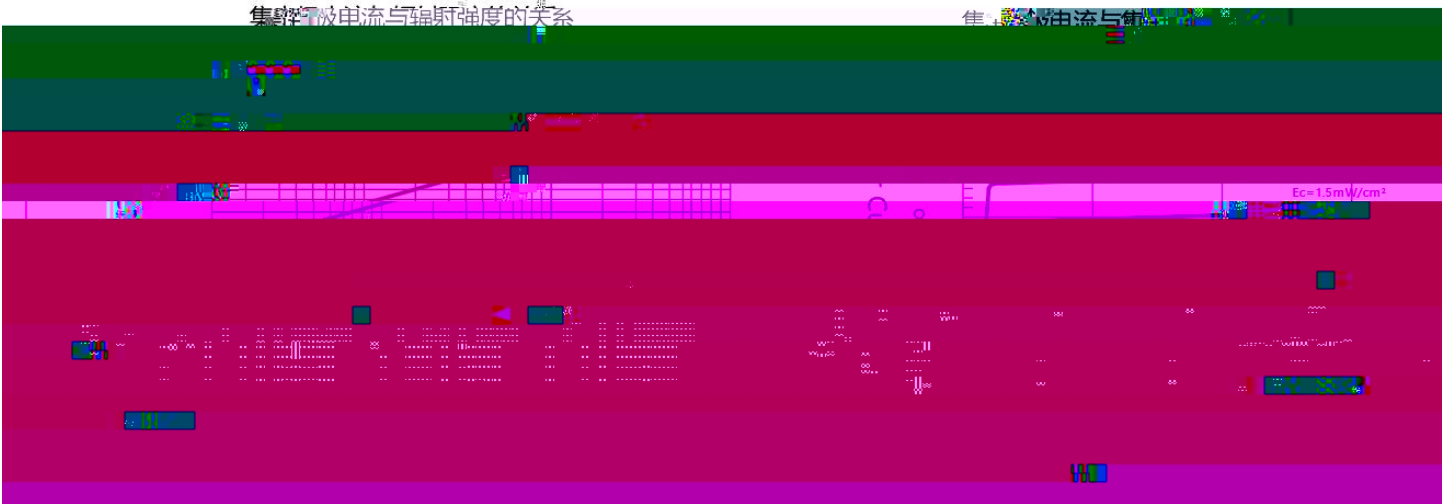
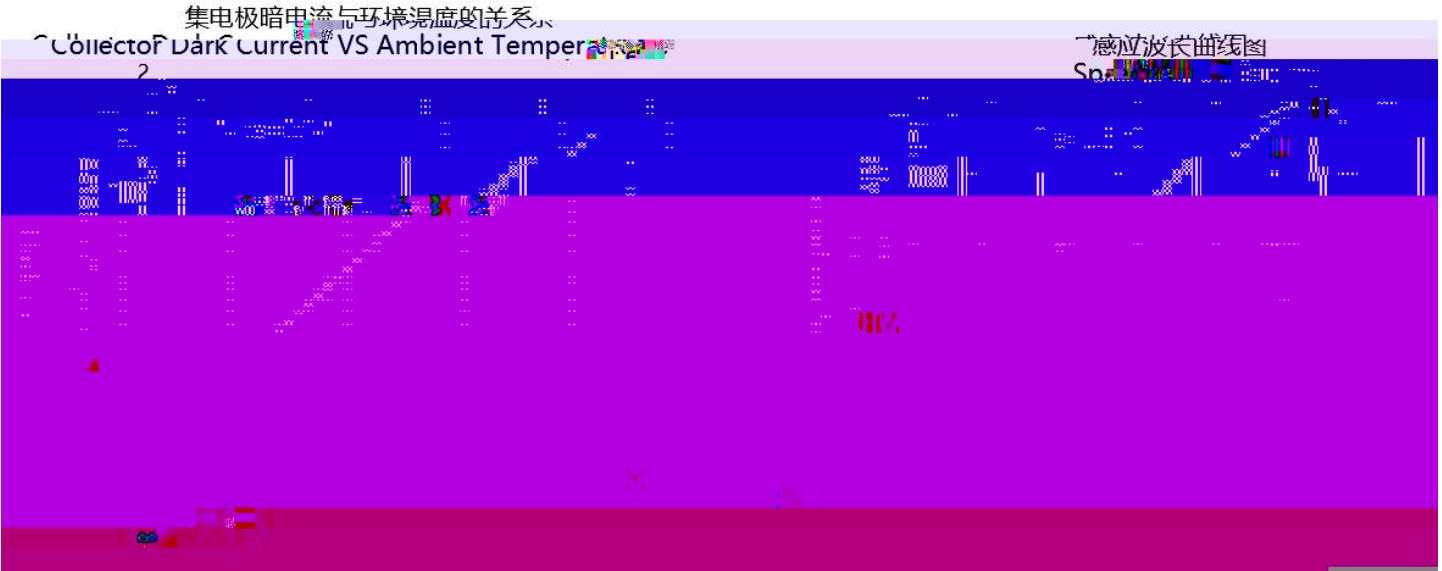
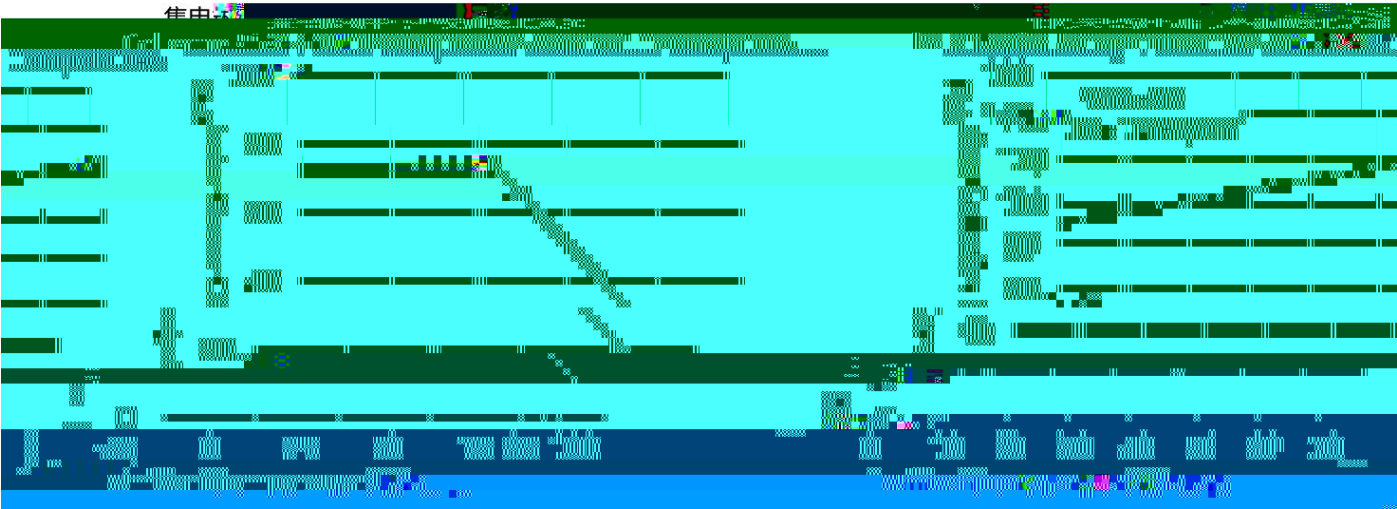
代码	最小值	最大值
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典型特性曲线

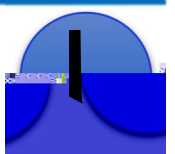
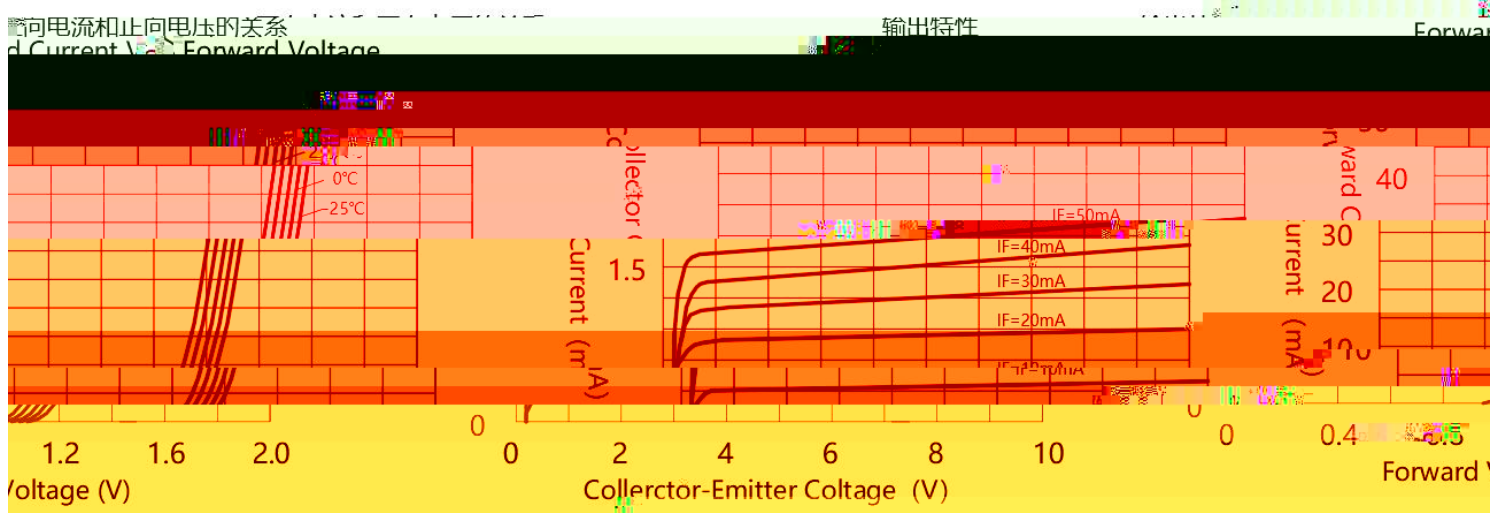
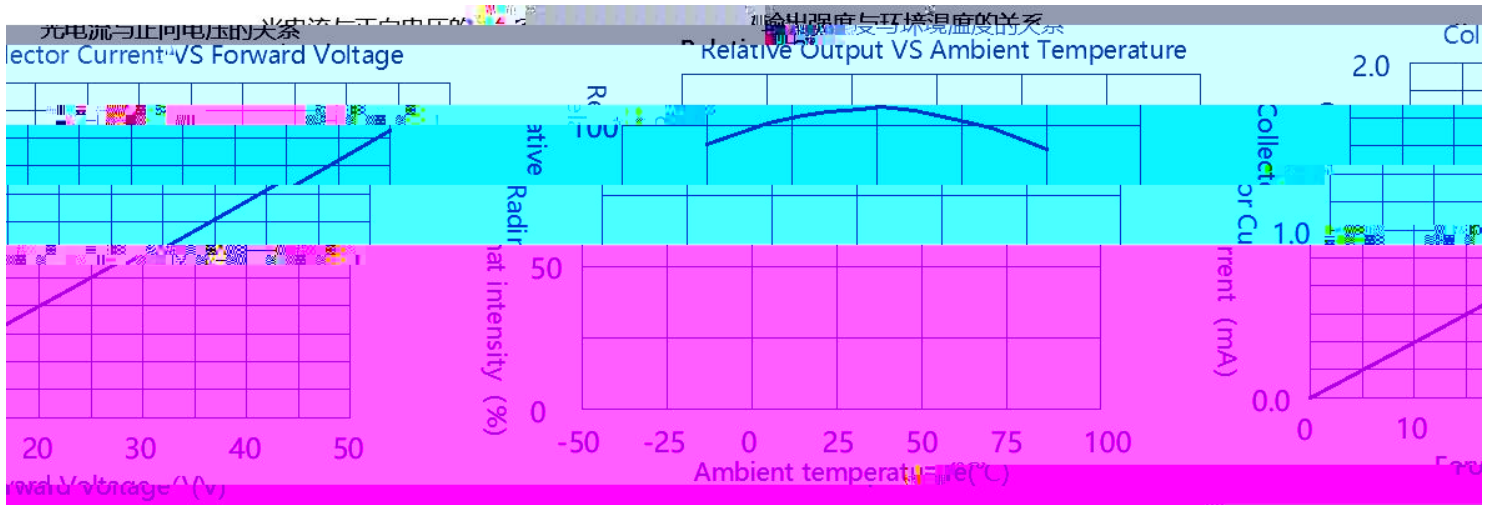
发射管特性曲线图



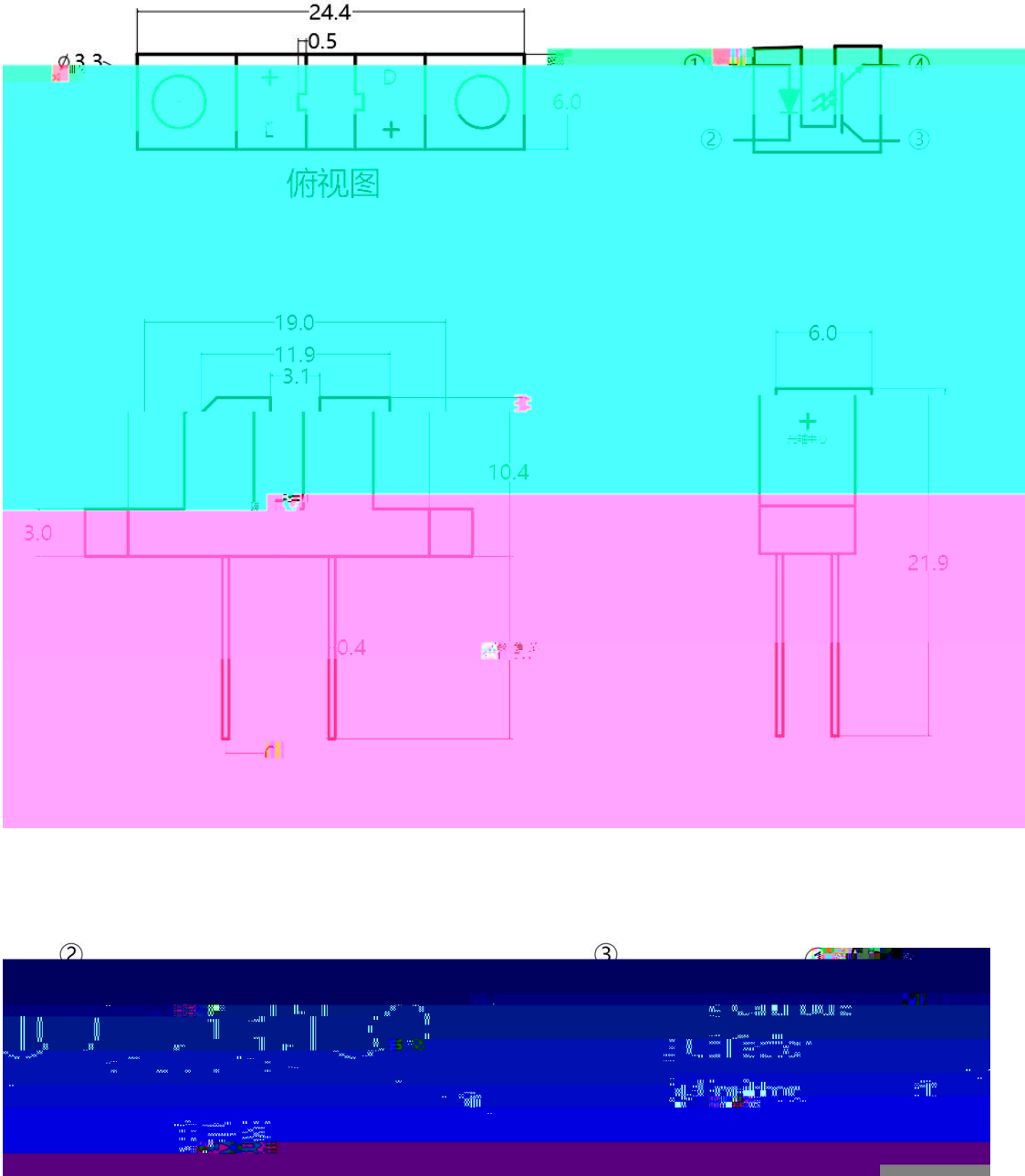
接收管特性曲线图



光电开关特性曲线图



外形尺寸

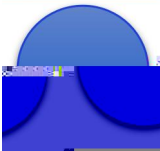


1. mm

Remarks: 1 Unit: mm

2. $\phi 0.3\text{mm}$

2. Tolerance: $\pm 0.3\text{mm}$ unless otherwise specified



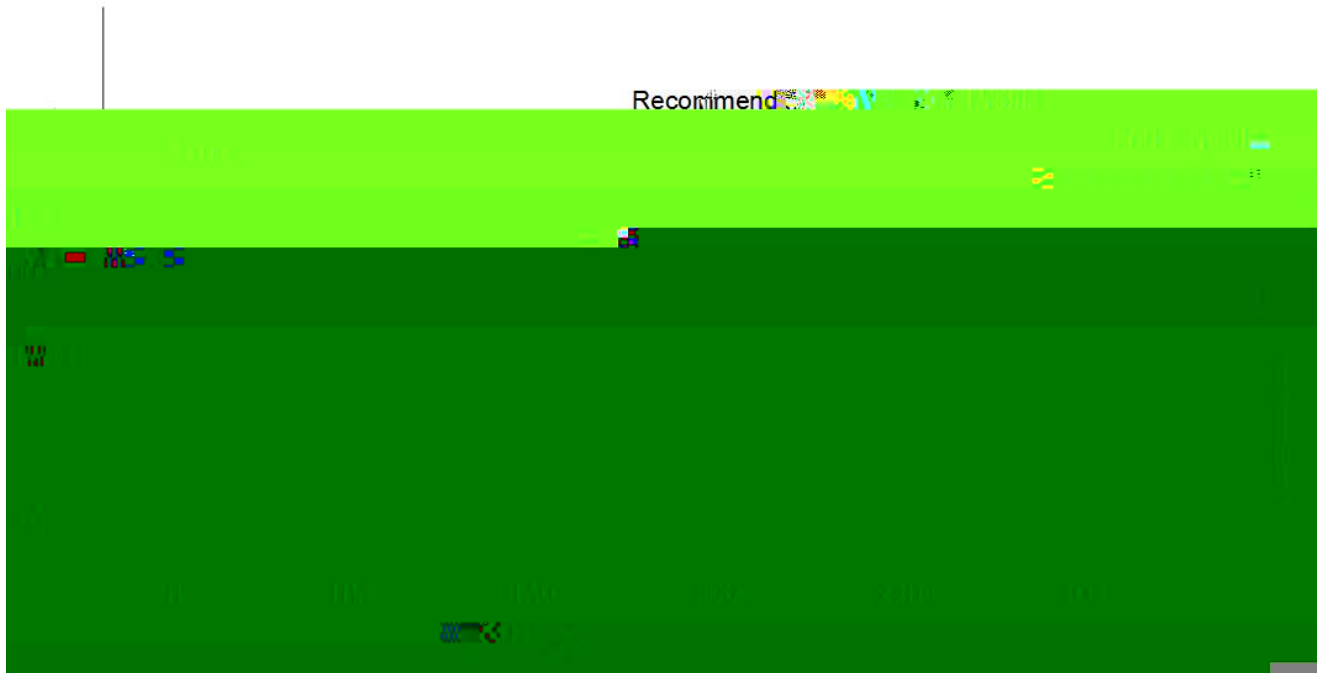
包装

Moisture Proof and Antti-Electrostatic Foil Bag

Label Expansion

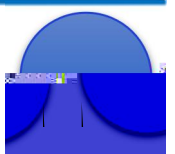


The wave peak welding curve is recommended :



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



恆鉄条件

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.



使用注意事項

IR NPN
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 IRtamf

