特点（C ）：

*

High reliability High radiant intensity Low forward voltage

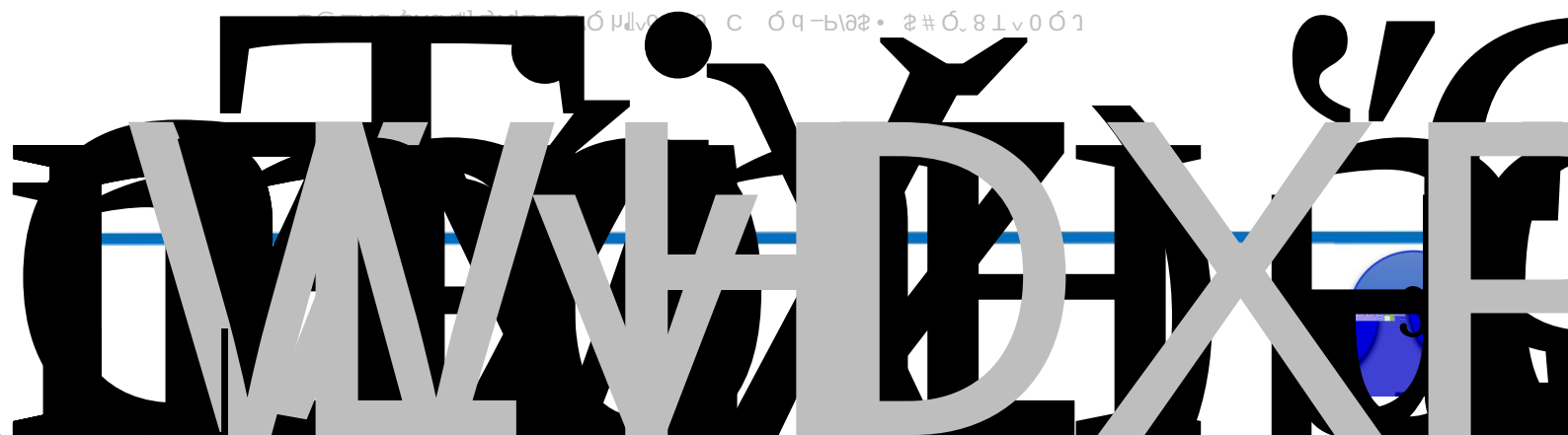
*

Fast response time High photo sensitivity

）：

电性参数

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



光电参数（温度=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						

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	[redacted]	最大值	单位	测试条件
IC10-18	0.5	0.9	mA	IF=20mA VCE=5V

典型特性曲线

Fig.1 Power Dissipation vs

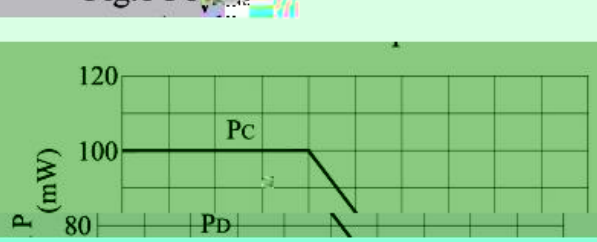


Fig.2 Forward Current vs Voltage

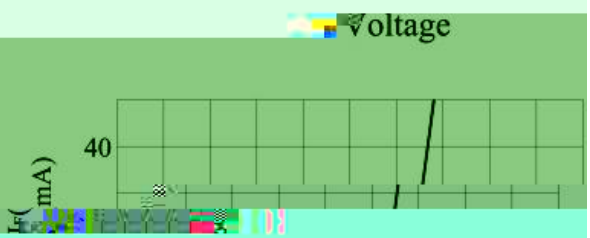
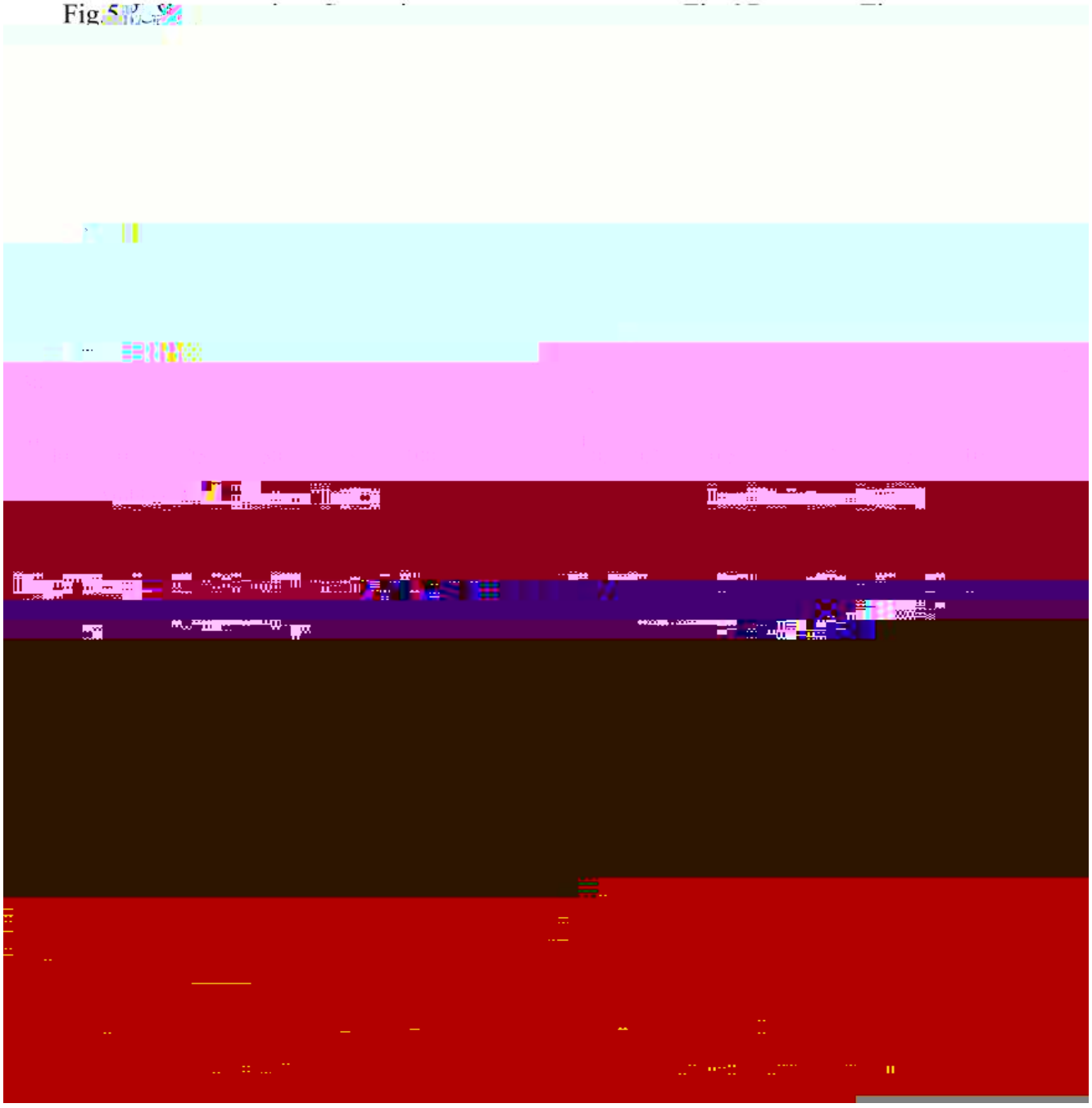
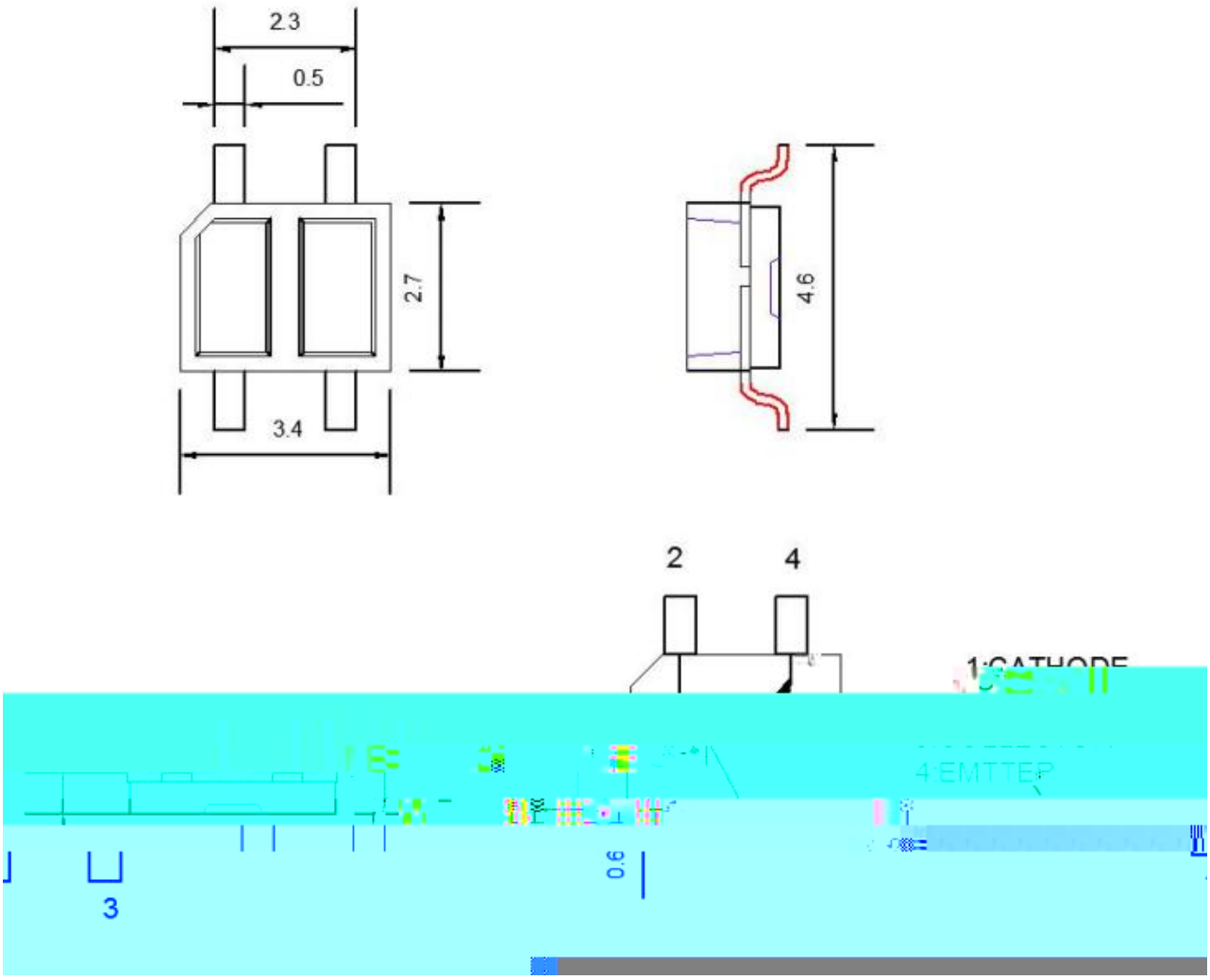


Fig.5



光电开关特性曲线图 Typical Electro-Optical Characteristics Curves-ITR

外形尺寸



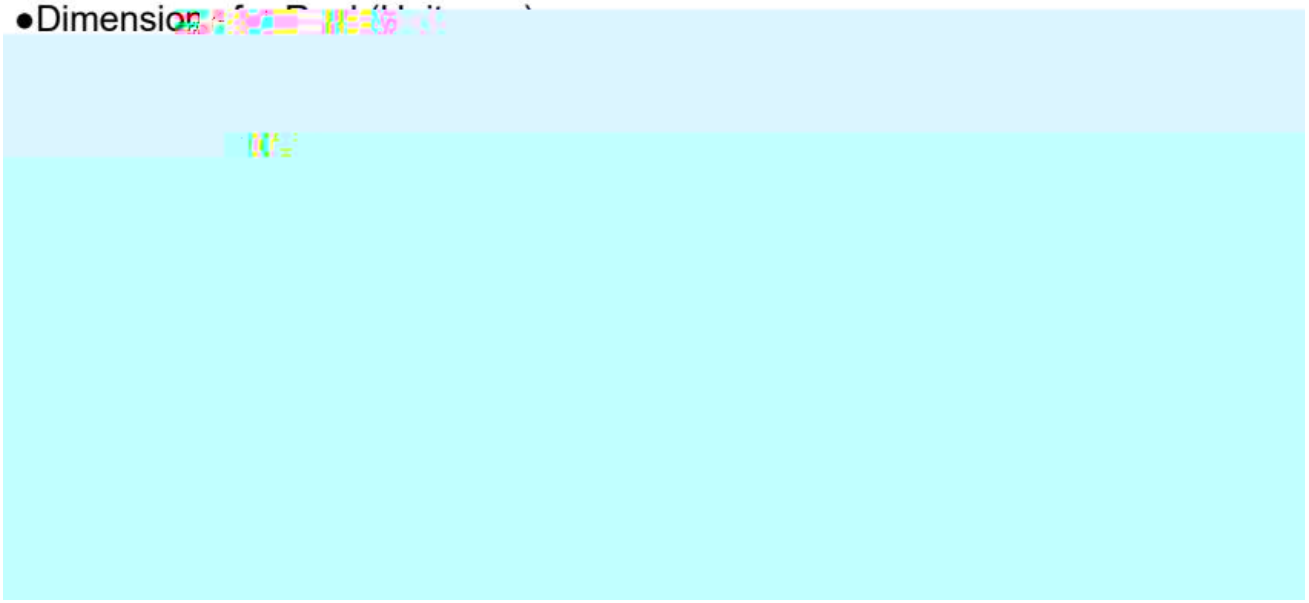
1. mm

Remarks: 1 Unit: mm

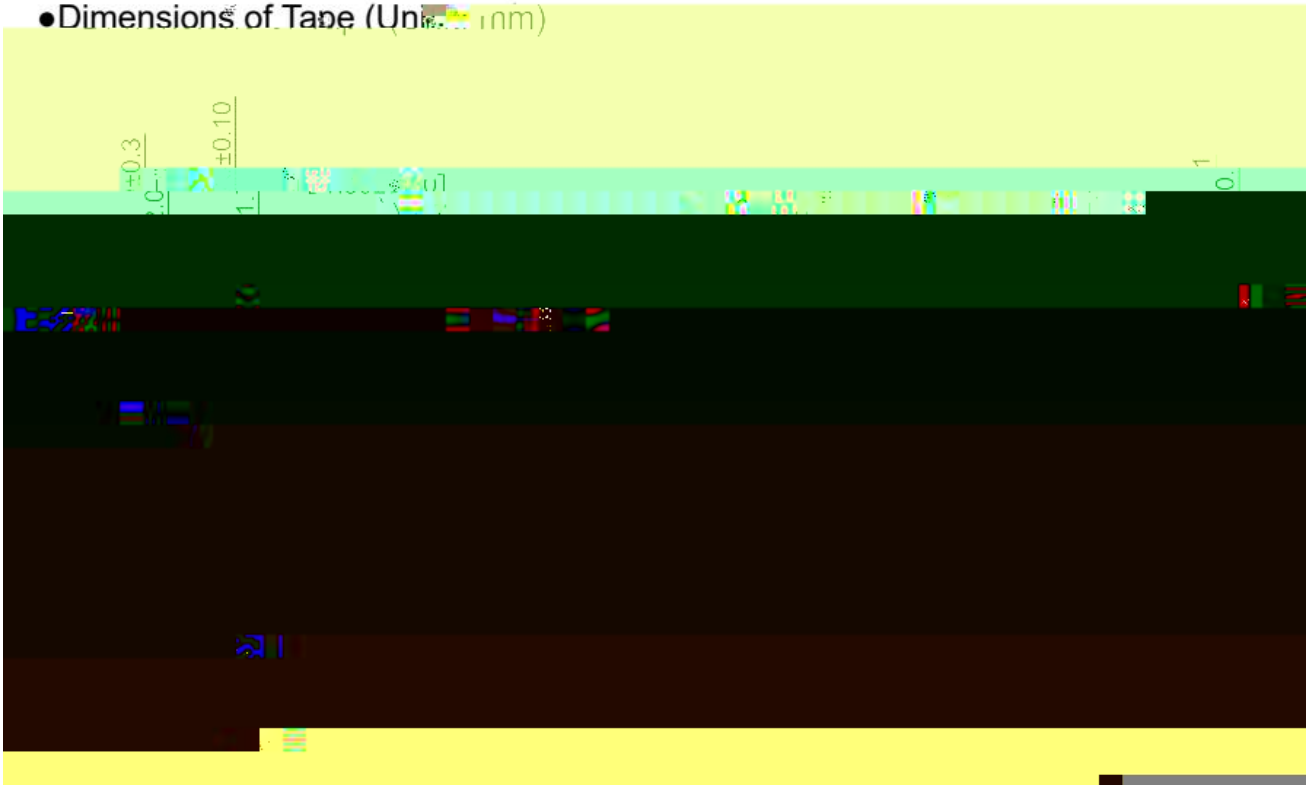
2. Ñ0.3mm

包装(1)

●Dimension

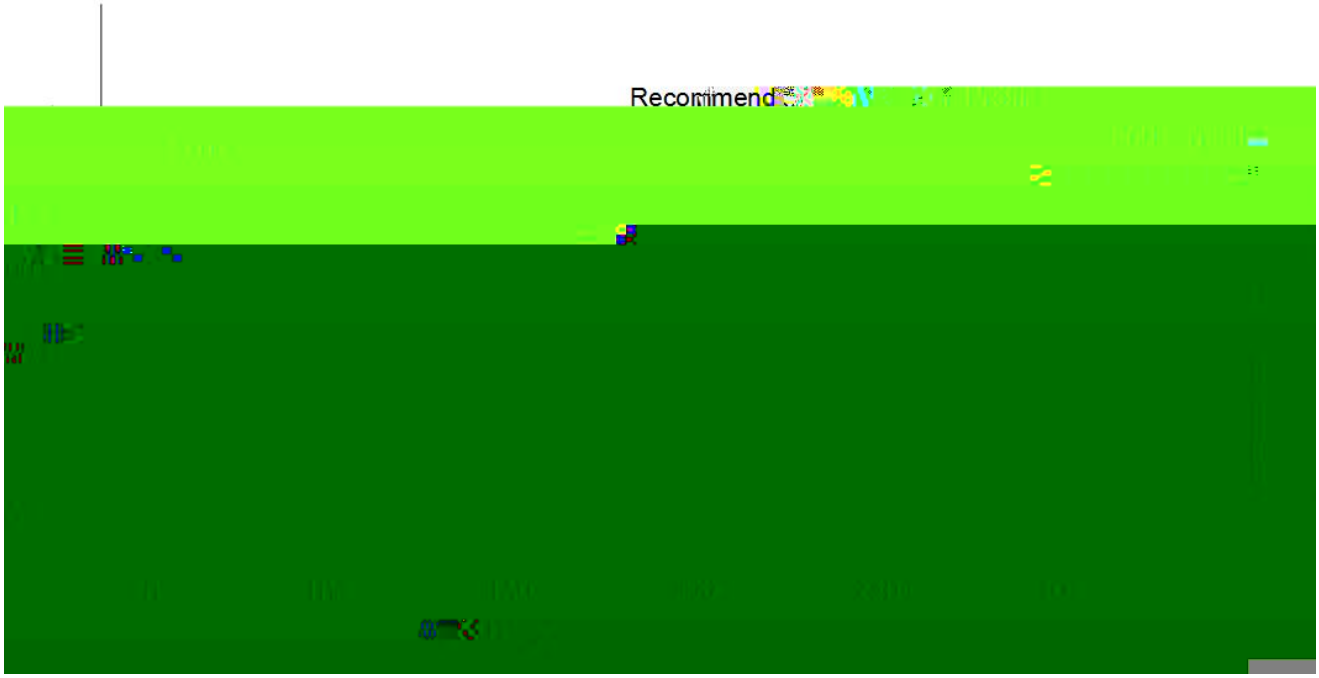


●Dimensions of Tape (Unit: mm)



Guideline for Soldering

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]

烙铁条件 Soldering Iron

350 3 25W

Each terminal is to go to the tip of soldering iron temperature less than 350 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 LEDs 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 LEDs will or will not be damaged by repairing.

使用注意事项

NPN

IR

IR PT

XL-ITR8307 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. This is normal Condition. But when the object is in the middle, the photo transistor cannot receive radiation. For more component information, please Refer to IR and PT.

* **注意：**

过流保护

1 ( )

Customer must apply resistors for protection, otherwise slight voltage shift will cause big current change (Burn out will happen)

储存

1

Do not open moisture proof bag before the products are ready to use.

2 10 ~30 90%RH

Before opening the package, the LED should be kept at 10 ~30 and 90%RH or less.

3

The LED suggested be used within one year.

4 10℃~30℃ 60%RH 168 ( )

After opening the package, the devices must be stored at 10℃~30℃ and 60%RH, and used within 168 hours (floor life). If unused LED remain, it should be stored in moisture proof packages.

5 ( )