PIN

IC,

目录

Catalogue

电性参数
Electrical Characteristics.....3

典型特性曲线
Typical Characteristic Curves.....7

可靠性实验
Reliability Test Items And Conditions.....8

外形尺寸
Outline Dimensions.....9

包装
Packaging.....10

使用注意事项
Precautions.....11

电性参数

Electrical Characteristics

Absolute Maximum Ratings Ta=25

Parameter	Symbol	Rating	Unit
Supply Voltage	VDD	6.0	V
Operating ambient temperature	Topr	-20 C ~ +85 C	
Storage ambient temperature	Tstg	-40 C ~ +125 C	
Welding conditions	Tsol	Wave soldering 260℃ 6s manual welding 300℃ 3s	

Recommended usage conditions

Parameter	Symbol	Min.	Typ	Max.	Unit
Supply Voltage	VDD	2.7	-	5.5	V
input frequency	FM	-	37.9	-	KHZ

接收距离分档:

Receive distance grading

代码 Code	最小值 Min	最大值 Max	单位 Unit	测试条件 Test conditions
L1	6	8	M	ICC=0.5mA
L2	10	15		
L3	15	20		

典型特性曲线

Typical Characteristics Curves

Test waveform

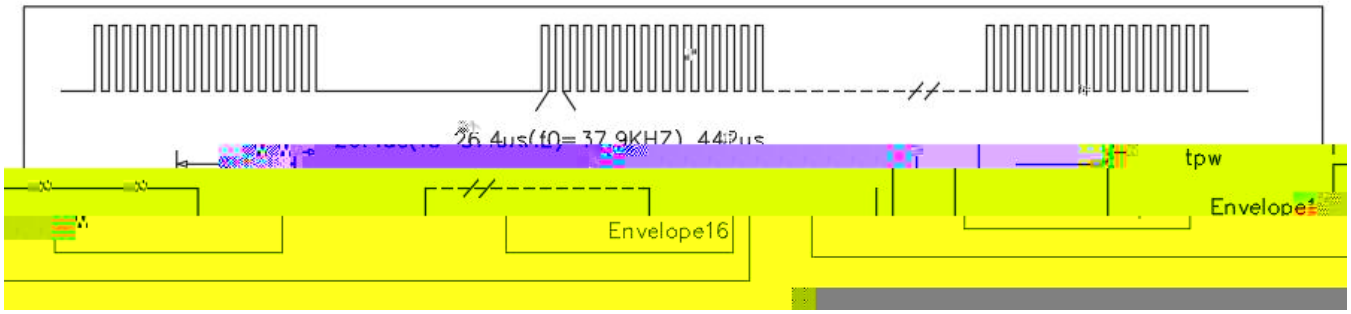
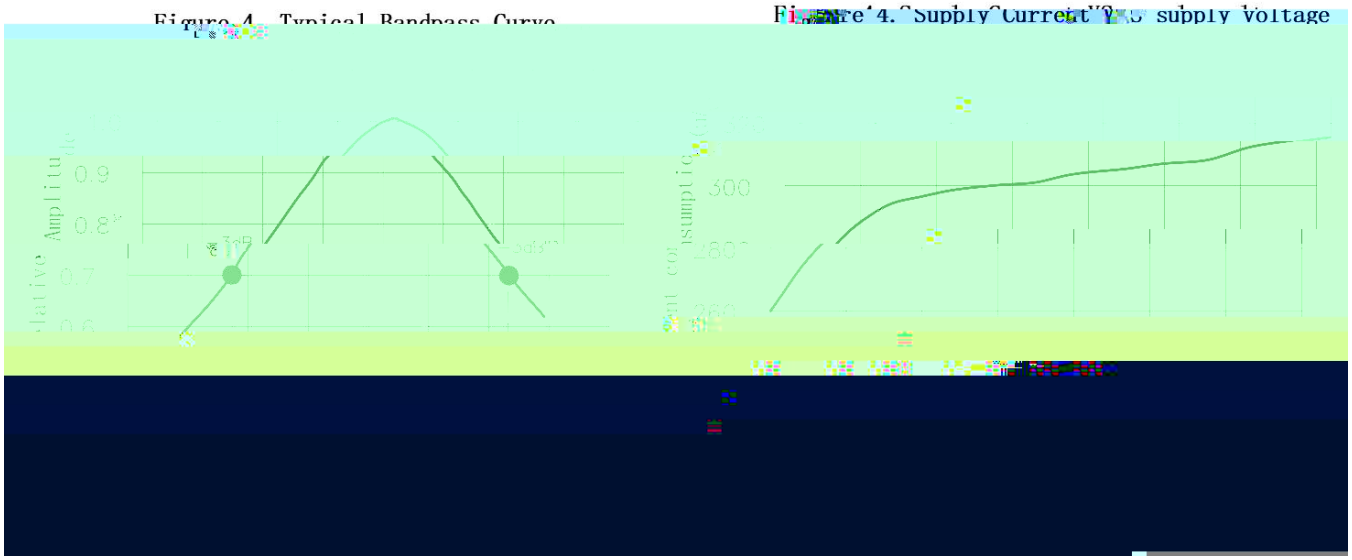


Figure 4. Typical Bandpass Curve

Figure 4. Supply Current VS supply voltage



可靠性试验

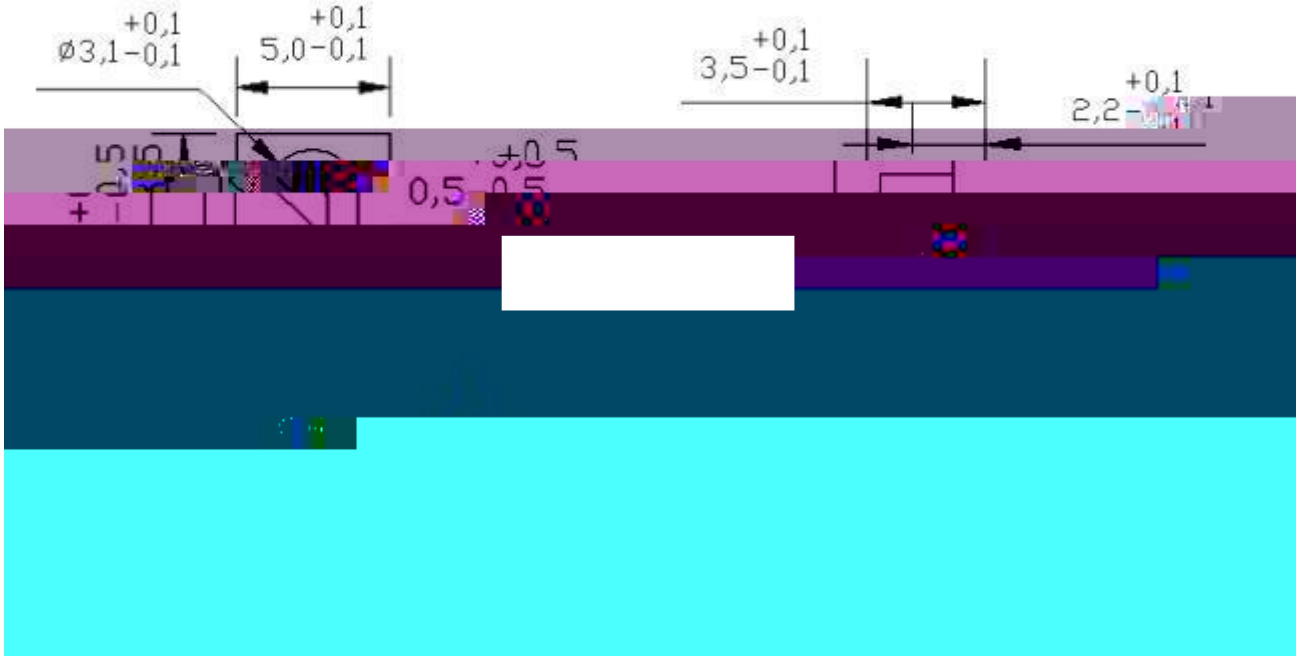
Reliability Test Items And Conditions

* Reliability Test Project

	260 ±5	5	20	20
	100PF 1.5KΩ, 4KV,		20	20
	10-50HZ/1min 1.5mm X Y Z/30min	30	20	20
	85 ±2	240	20	20
	-20 ±2	240	20	20
	85 85%	240	20	20
	-20 30 +85 30	10	20	20
	2.5N 2		20	20

外形尺寸

Outline Dimension



(Note)

1.

Dimensions are in millimeters.

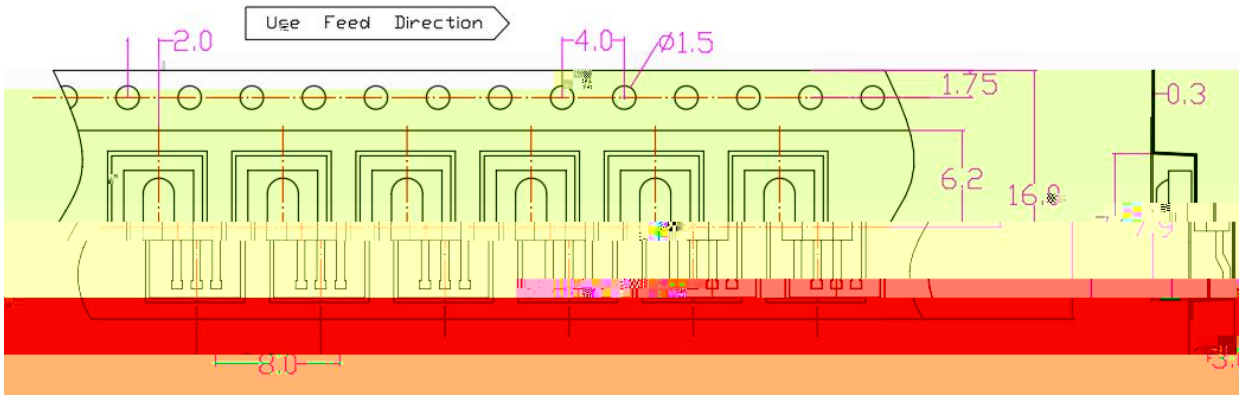
2. ± 0.25mm .

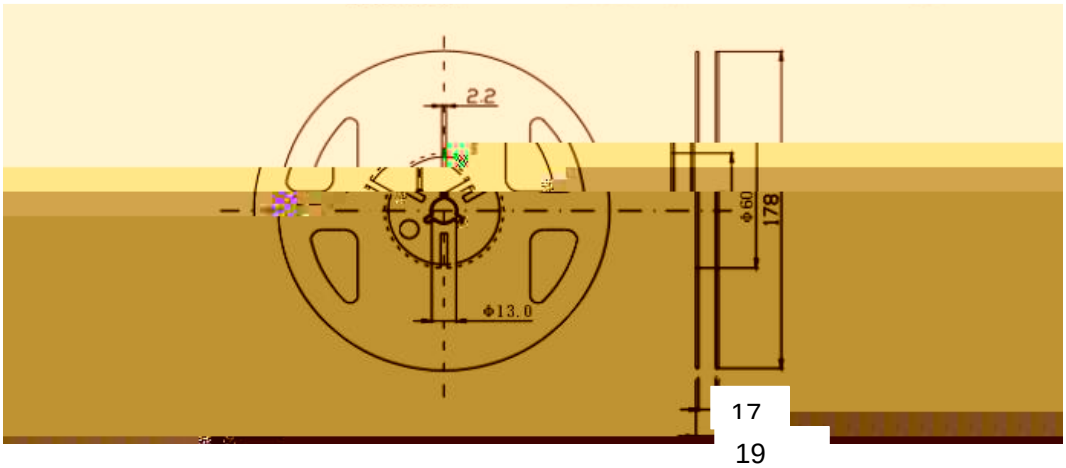
Tolerances unless mentioned are ± 0.25mm.

包装(1)

Packaging(1)

载带与圆盘尺寸 Belt and disk dimensions





17
19

:

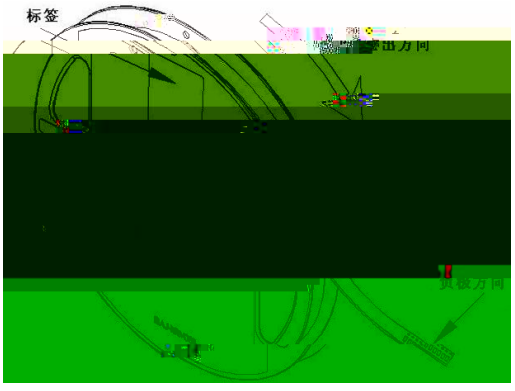
1. (mm)

1. Size unit is mm (mm).

2. ±0.1mm

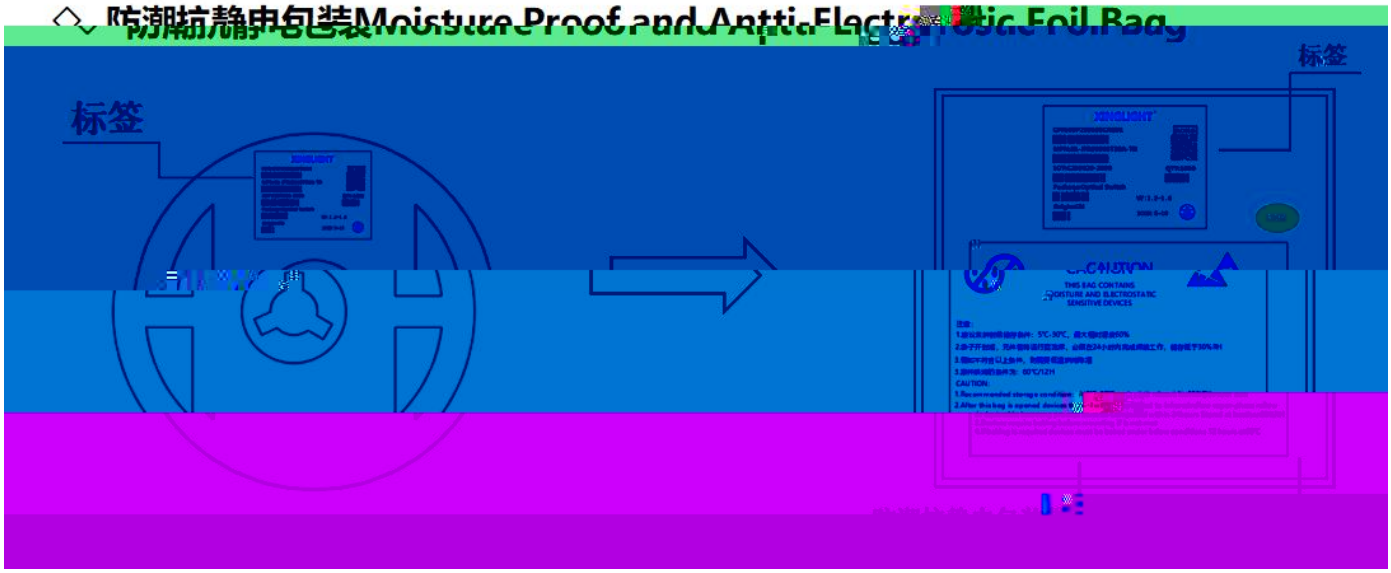
2. The dimensional tolerance is ± 0.1mm.

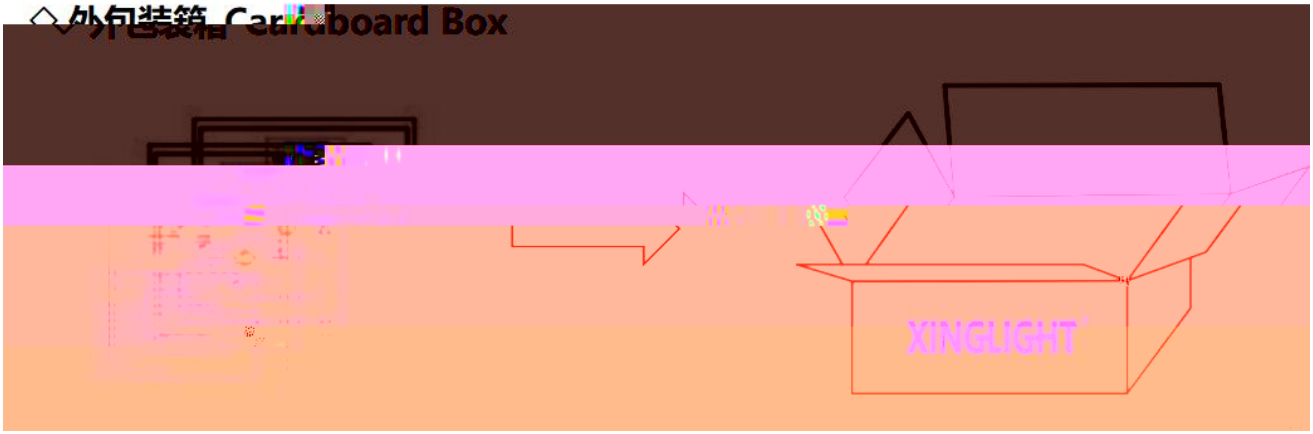
圆盘及载带卷出方向及空穴起终 Disk and carrier belt direction of roll and hole dimensions

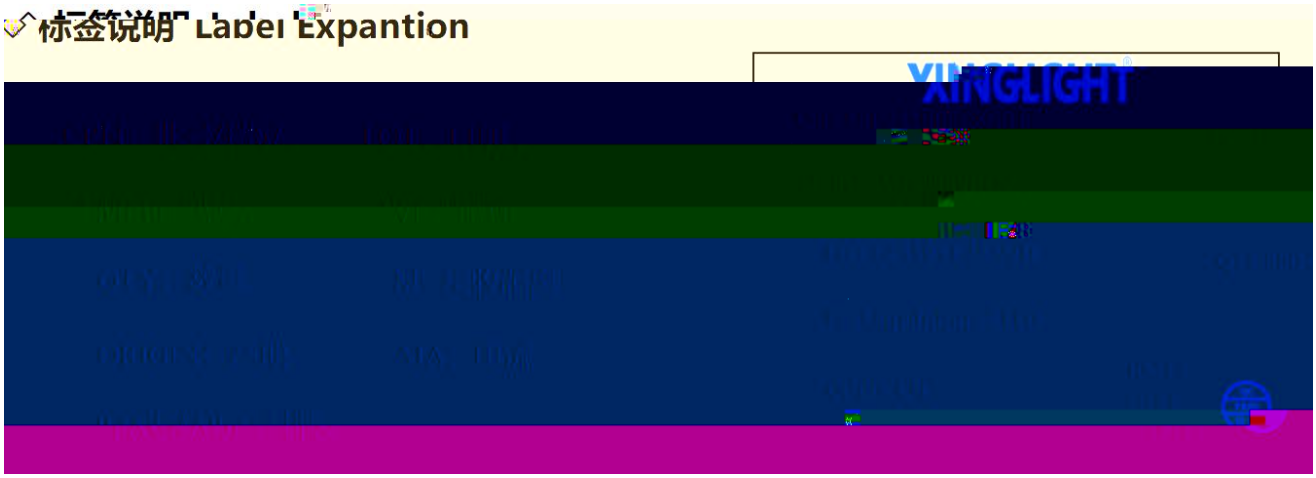


包装（2）

Packaging (2)







焊接指导（1）

Guideline for Soldering (1)

1. **使用烙铁人手焊接**

Hand Soldering

30W

300 3

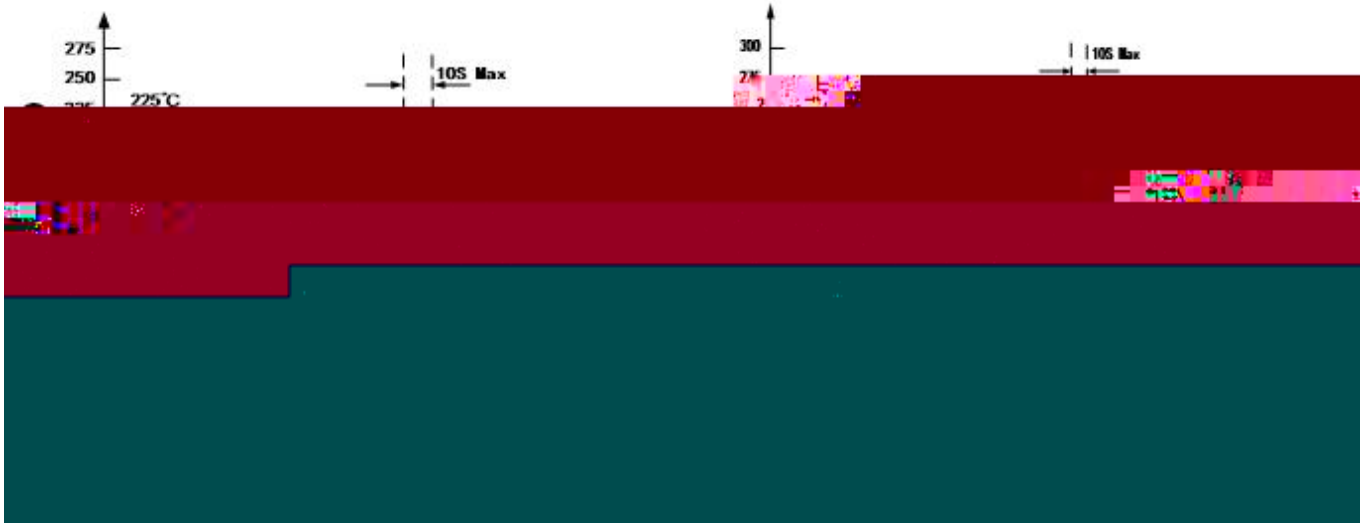
LED

Manual welding is recommended only for repair and heavy industry situations. A soldering iron of less than 30W is recommended to be used in Hand Soldering. Please keep the temperature of the soldering iron under 300 while soldering. Each terminal of the LED is to go for less than 3 second and for one time only.

Be careful because the damage of the product is often started at the time of the hand soldering.

2. 回流焊接：

Reflow Soldering: Use the conditions shown in the under Figure ofPb-Free Reflow Soldering.



.

Reflow soldering should not be done more than two times.

. LED

Stress on the LEDs should be avoided during heating in soldering process.

.

After soldering, do not deal with the product before its temperature drop down to room temperature.

. 240 /6S

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

焊接指导（2）

Guideline for Soldering (2)

3.

Cleaning

30 3 50 30

LED

300W LED

LED

It is recommended that alcohol be used as a solvent for cleaning after soldering. Cleaning is to go under 30 for 3 minutes or 50 for 30 seconds. When using other solvents, it should be confirmed beforehand whether the solvents will dissolve the package and the resin or not.

Ultrasonic cleaning is also an effective way for cleaning. But the influence of Ultrasonic cleaning on LED depends on factors such as ultrasonic power. Generally, the ultrasonic power should not be higher than 300W. Before cleaning, a pretest should be done to confirm whether any damage to LEDs will occur.

* **注意：** PCB

PCB

* **Note:** This general guideline may not apply to all PCB designs and configurations of all soldering equipment. The technics in practise is influenced by many factors, it should be specialized base on the PCB designs and configurations of the soldering equipment..

使用注意事项（1）

Precautions (1)

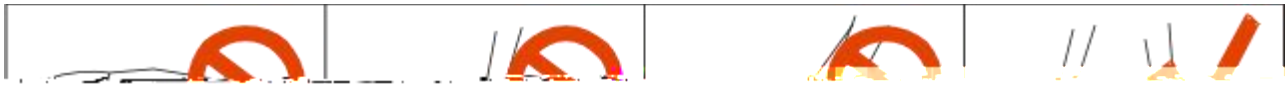
使用注意事项（3）

Precautions (3)

3. 其他事项：

Others

When handling the product, touching the encapsulant with bare hands will not only contaminate its surface, but also affect on its optical characteristics. Excessive force to the encapsulant might result in catastrophic failure of the LEDs due to die breakage or wire deformation. For this reason, please do not put excessive stress on LEDs, especially when the LEDs are heated such as during Reflow Soldering.



LED

The epoxy resin of encapsulant is fragile, so please avoid scratch or friction over the epoxy resin surface. While handling the product with tweezers, do not hold by the epoxy resin, be careful.

4. 眼睛保护忠告：

Safety Advice For Human Eyes

LED LED

Viewing direct to the light emitting center of the LEDs, especially those of great Luminous Intensity, will cause great hazard to human eyes. Please be careful.

If there are any modifications to the specification sheet, no further notice will be given