技术数据表

[redacted]

PIN

IC,

REACH ROHS

This product contains a high-speed and high sensitivity pin photo diode and Low power consumption, high gain Preamplifier Ic Adopting epoxy resin plastic encapsulated semi circular spherical packaging Dual shielding and anti-interference design for both inside and outside,This product has been certified by Reach and Rohs

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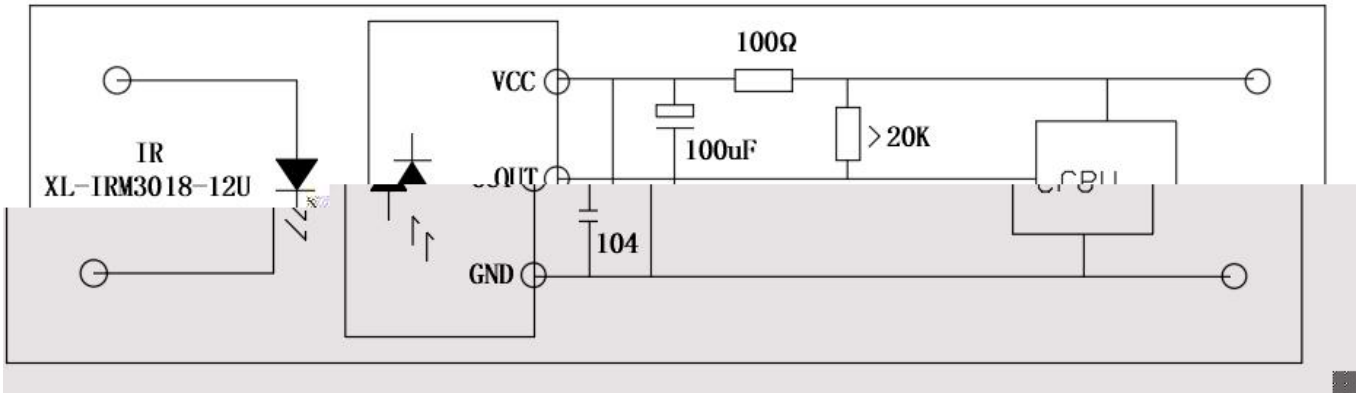
电性参数

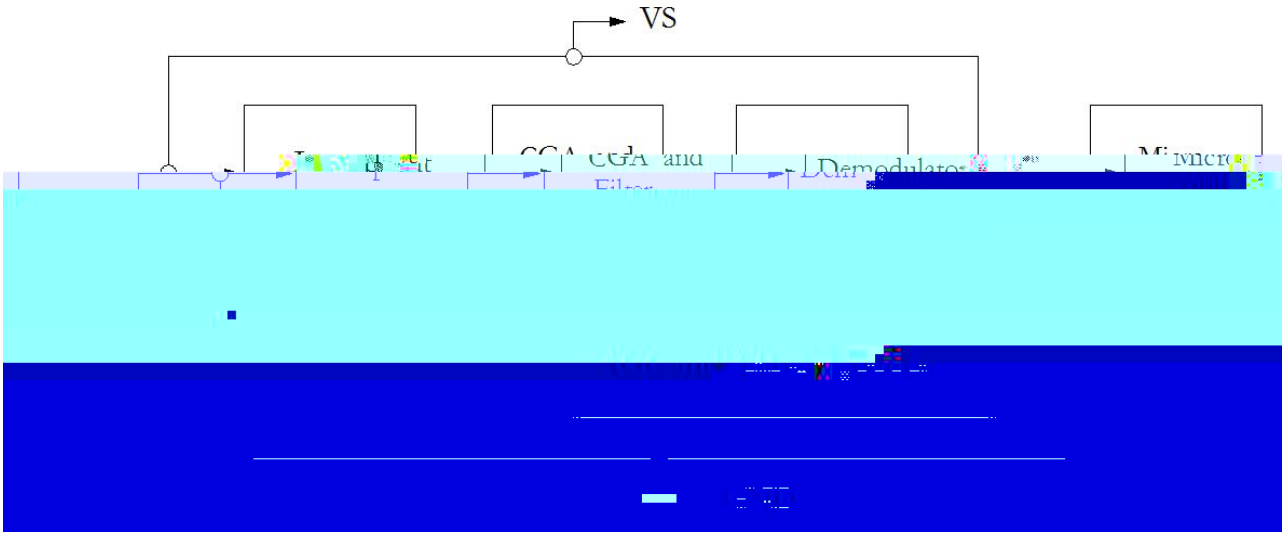
Recommended usage conditions

Supply Voltage	VDD	2.7	-	5.5	V
input frequency	FM	-	37.9	-	KHZ
Operating temperature	Topr	-20 C ~ +85 C			° C

Application circuit diagram



schematic diagram



接收距离分档

代码	最小值	最大值	单位	测试条件
L1	6	8	M	ICC=0.5mA
L2	10	15		
L3	15	20		

工作电压分档

代码	最小值	最大值	单位	测试条件
V1	2.5	5.5	V	ICC=0.5mA
V2	2.7	5.5		

工作电流分档

典型特性曲线

Test waveform

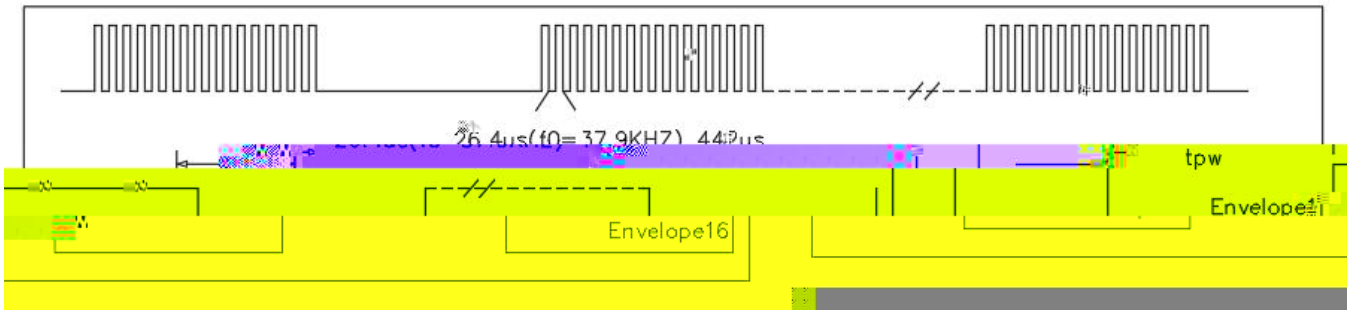
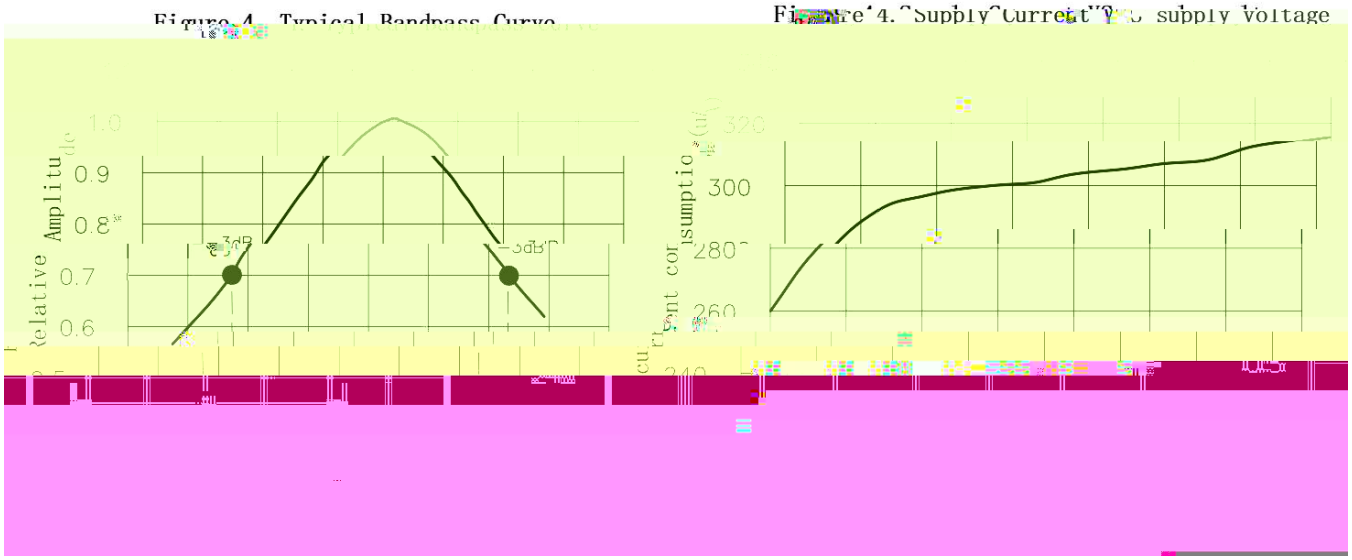


Figure 4 Typical Bandpass Curve

Figure 4. Supply Current Vs supply Voltage



可靠性试验

Reliability Test Items And Conditions

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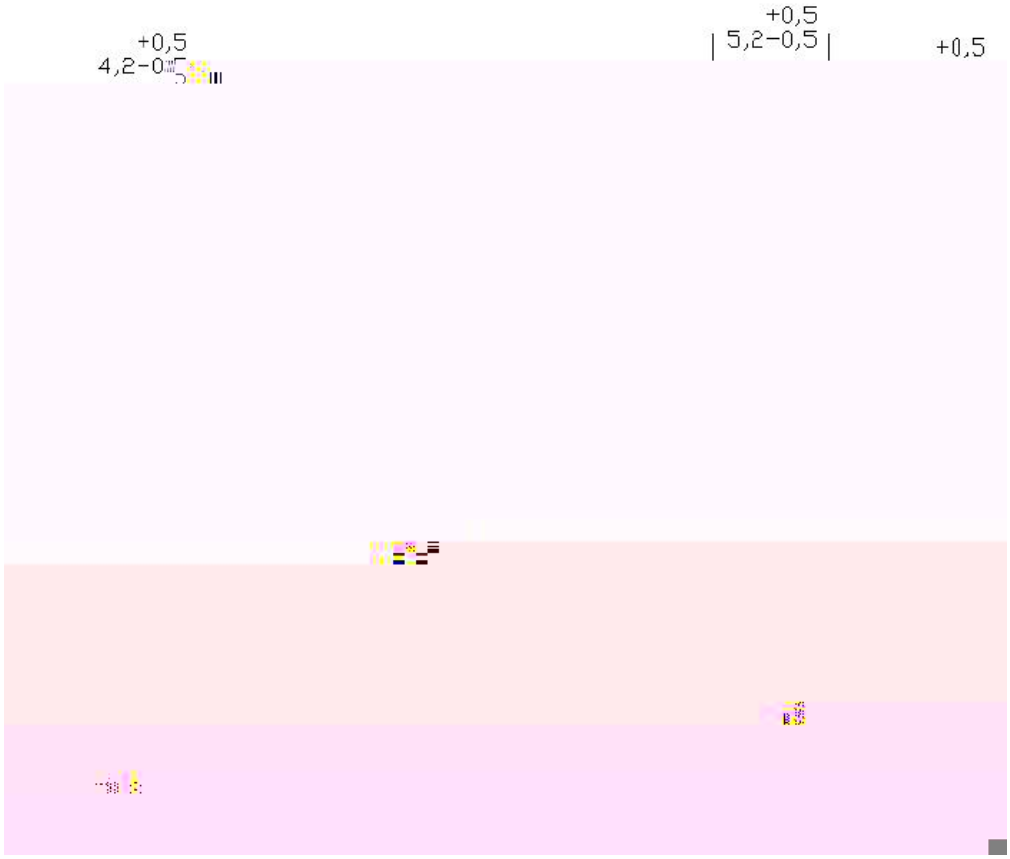
测试项目	测试条件	测试时间	测试数	合格数
焊接耐热温度	温度 260℃±5℃ （非受力状态下）	5 秒以内	20	20
静电破坏实验	电容 100PF, 电阻 1.5kΩ， 静电电压 4KV, 各引脚		20	20
[illegible]	频率：10-50Hz/1min 振幅：1.5mm X、Y、Z 30min	30 分钟	20	
[illegible]	温度 85℃±2℃	240 小时	20	
[illegible]	低温-20℃（30秒）， 高温 85℃（30秒）	10 个循环	20	
引脚弯曲	用 2.5N 的外力对每个引脚弯曲 2 次		20	20

外形尺寸



(Note)

1.

Dimensions are in millimeters.

2. ± 0.25mm .

Tolerances unless mentioned are ± 0.25mm.

包装

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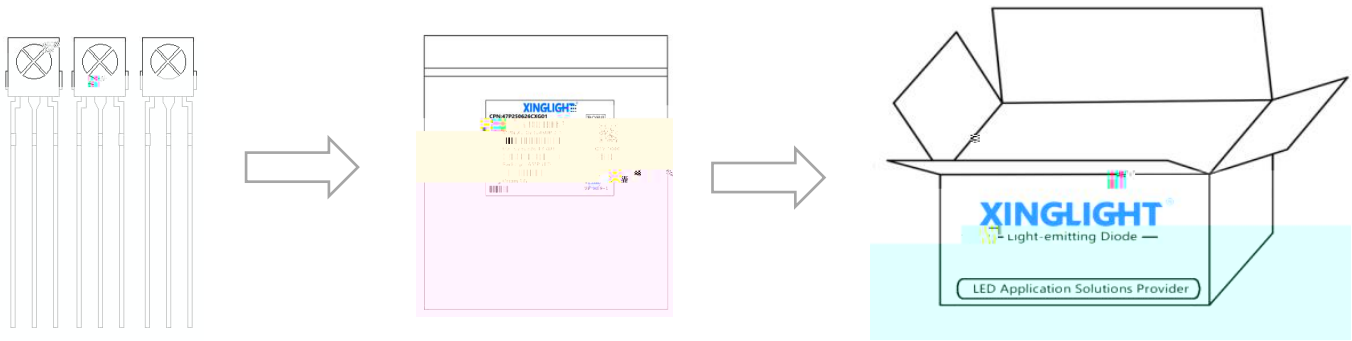
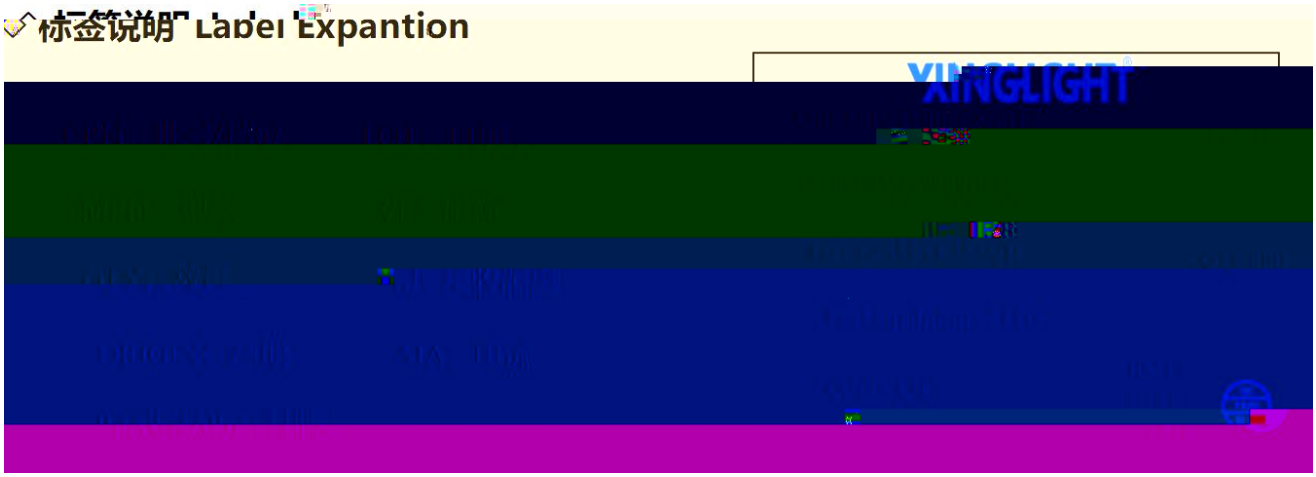
In Bags

*
Moisture Proof and Anti-Electrostatic Foil Bag





使用注意事项：

使用注意事项（ ）

2mm

When welding, welding must be conducted below 2mm of colloid bottom. When welding, try to avoid soaking Infrared receiver head colloid. After welding, avoid adding external force on the pin or shaking Infrared receiver head colloid.

InGaN

HBM<1000V <100V

High increase of static electricity and current will damage Infrared receiver head. Use antistatic devices such as protective belts and gloves. Note: human discharge mode HBM <1000V; machine discharge mode <100V.

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Sensitivity:The same product can be used on different devices,The actual data measured in different environments also varies.In different environments,Attention should be paid to the interference of the surrounding environment ,Interference of light and different light intensities ,Has an impact on the sensitivity of the infrared receiver head .

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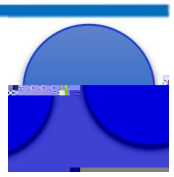
The infrared receiver head should have a filter