

技术数据表



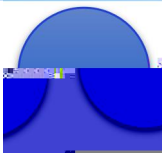
PIN

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



目录

Catalogue

电性参数

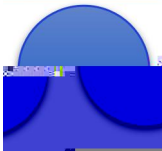
典型特性曲线

可靠性实验

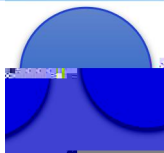
外形尺寸

包装

使用注意事项



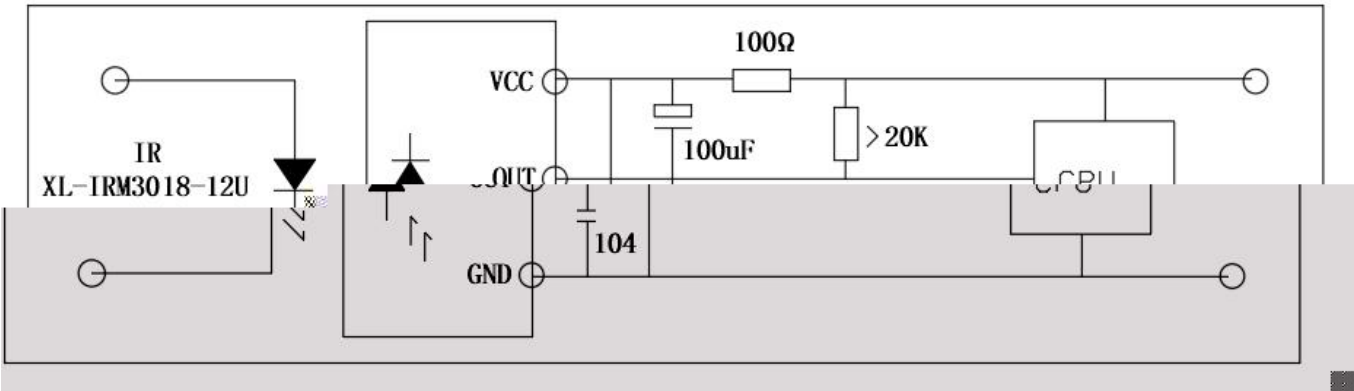
电性参数



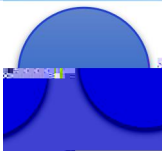
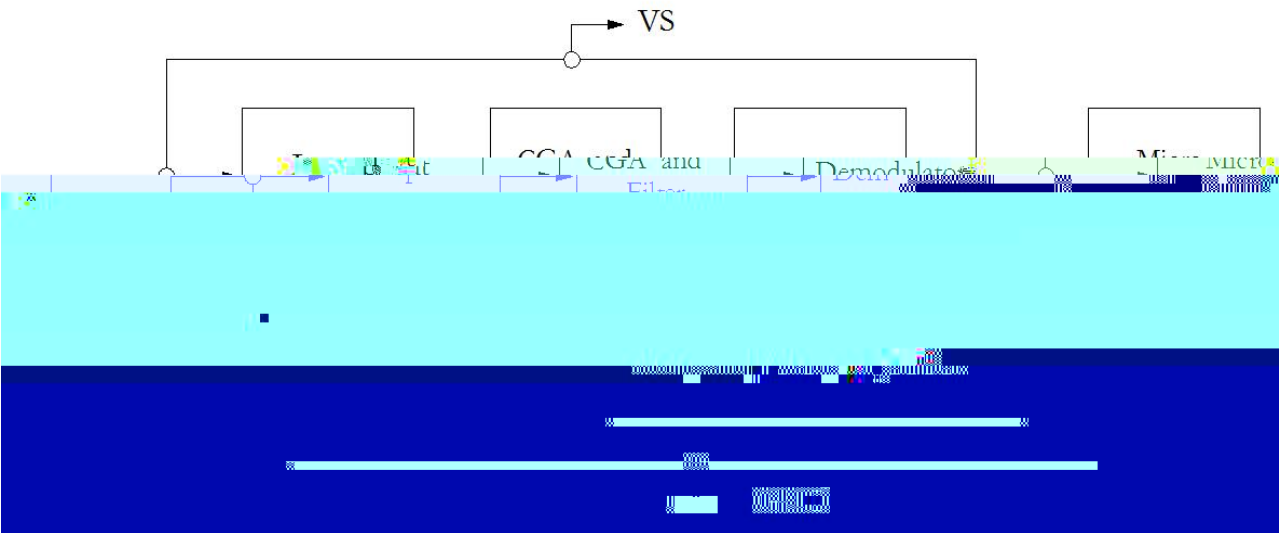
Recommended usage conditions

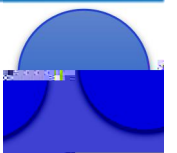
Supply Voltage	VDD	2.7	-	5.5	V
input frequency	FM	-	37.9	-	KHZ
Operating temperature	Topr	-20 C ~ +85 C			° C

Application circuit diagram



schematic diagram





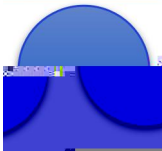
接收分档

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

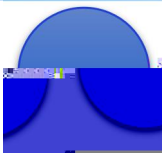
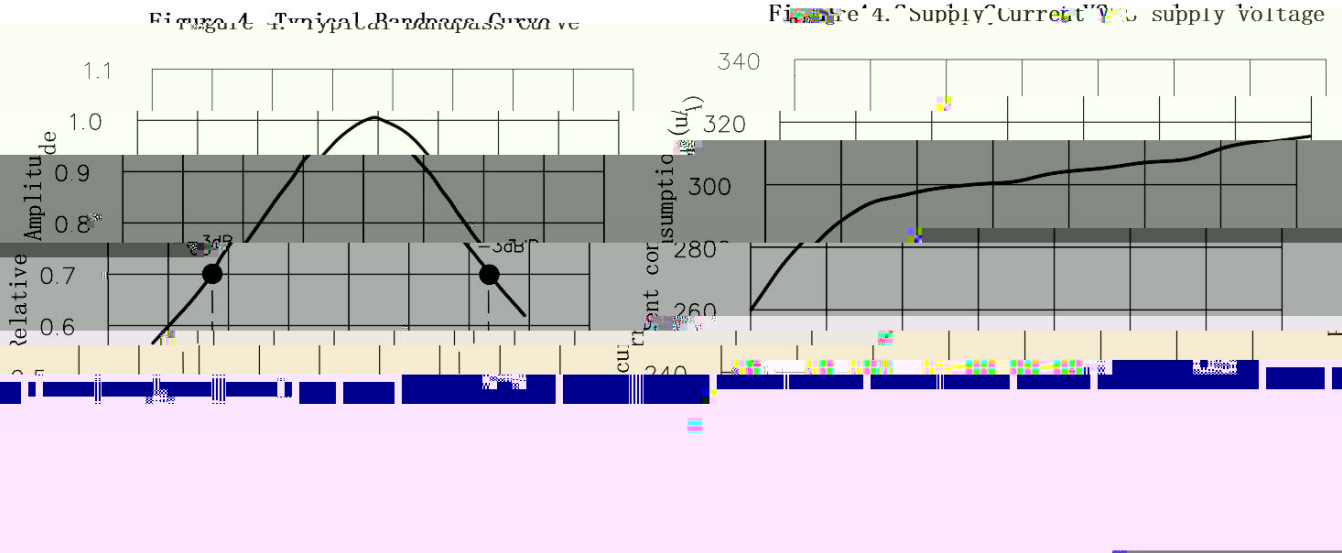
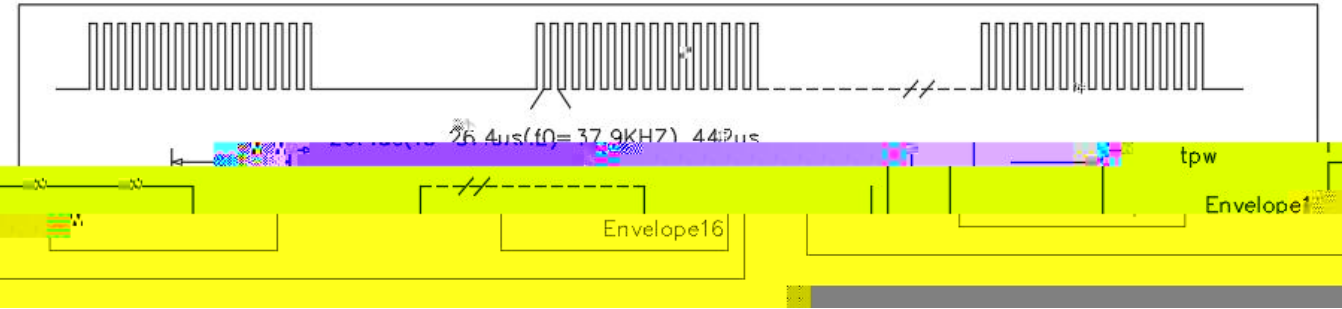
代码	最小值	最大值	单位	测试条件
V1	2.5	5.5	V	ICC=0.5mA
V2	2.7	5.5		

工作电流分档



典型特性曲线

Test waveform

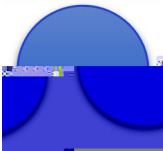


可靠性试验

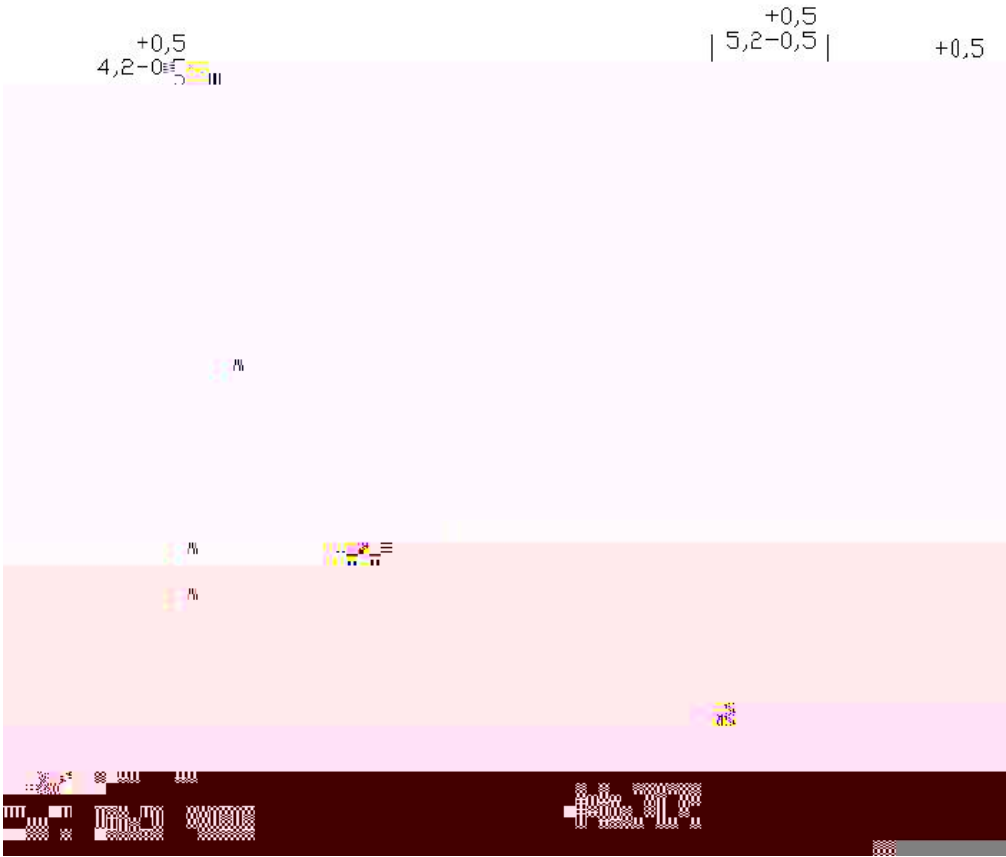
Reliability Test Items And Conditions

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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
	频率： 10-50Hz /1min			
高低温循环	温度 20℃ ~ 60℃ 10 秒， -40℃ ~ -10℃ 10 秒， 频率： 10-50Hz /1min	10 个循环		
引脚弯曲	用 2.5N 的外力对引脚			

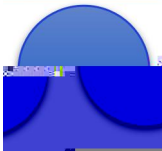


外形尺寸



(Note)

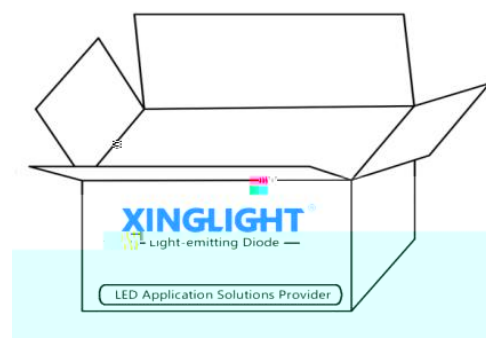
1. Dimensions are in millimeters.
2. Tolerances unless mentioned are $\pm 0.25\text{mm}$.



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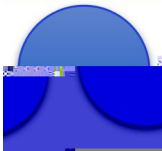
Figure 1 consists of three schematic diagrams labeled (a), (b), and (c), each showing a top-down view of a subject's head and shoulders interacting with a control interface. The interface is represented by a rectangular box with a grid of buttons. In (a), the subject is interacting with a control interface. In (b), the subject is interacting with an interface that includes a 'W' button. In (c), the subject is interacting with an interface that includes a 'W' button and a 'W' button.



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使用注意事項



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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.

HBM<1000V

InGaN

<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

