XL-IRM0038C

技术数据表 **Technical Data Sheet**

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 as an environmentally friendly product, Used as a receiver in infrared remote control systems

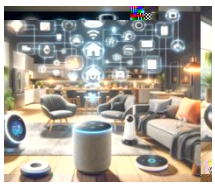
特点（characteristic ：

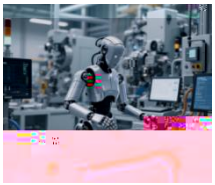
Small volume epoxy resin plastic sealing patch packaging

* * * * : 4.5*4.0*2.3*3.1mm

Appearance dimension length * width * height* foot length : 4.5*4.0*2.3*3.1mm

应用领域（product application）：





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电性参数

Electrical Characteristics

ǎ Absolute Maximum Ratings Ta=25

Parameter	Symbol	Rating	Unit
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Đ		6	

ǫ ǎ Initial Electrical Optical Characteristics Ta=25

ǎ Parameter	Symbol		Min.	Typ.	Max.	Unit	Test conditions
ƀ	ICC		0.3	0.4	0.5	mA	VDD=5V
	L	0 °	15	20	-	M	/
	L	35 °	5	7	-	M	
	L	ˇ 35 °	5	7	-	M	
	f_o		-	37.9	-	KHZ	/
BPF	f_{BW}		-	6	-	KHZ	/
Y ∓	V_{ol}		-	-	250	mV	Isink=2.0mA
∓	V_{oh}		4.5	-	5.0	V	VCC=5V
∓ Ⅱ	T_{pwl}		400	600	800	us	burst wave Vin=500UVp-p
	T_{PWH}		400	640	800	us	burst wave Vin=50mVp-p
Ⅱ	Tburst		350	-	-	us	Vin=50mVp-p
	Tburst gap		450	-	-	us	Vin=50mVp-p
Ả	Tpause		45	-	-	us	Vin=50mVp-p

* ǔ CH3018-12U, ṗ ǫ ╠ 1M 40W ǫ ǫ 200±50Lux.

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ă Parameter	Symbol	Min.	Typ	Max.	Unit
	VDD	2.7	-	5.5	V

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

工作电压分档:

Working voltage grading

代码 Code	Min	最大值 Max	单位 Unit	测试条件 Test conditions

工作电流分档:

Working current grading

代码 Code	Min	最大值 Max	单位 Unit	测试条件 Test conditions

典型特性曲线

Typical Characteristics Curves

Test waveform

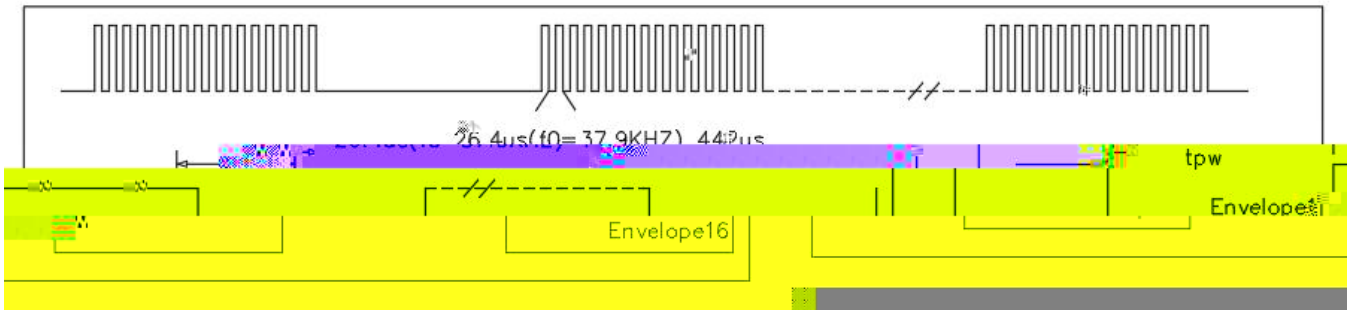

Figure 4. Typical Bandpass Curve

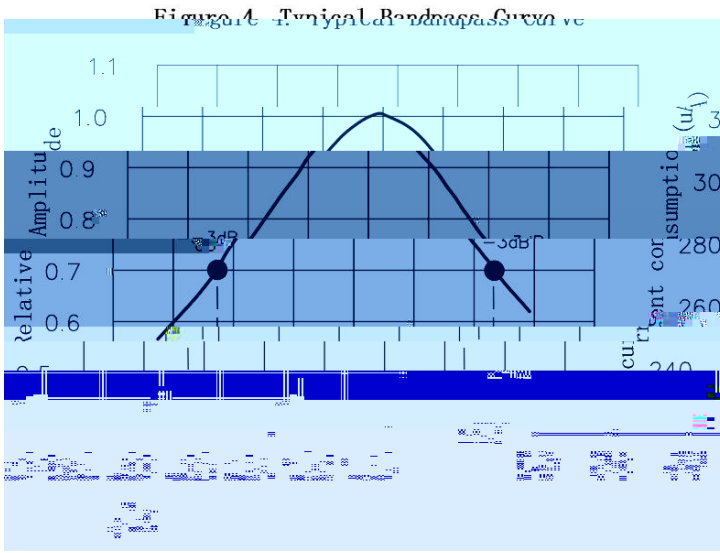

Figure 4. Supply Current VS supply voltage

可靠性试验

Reliability Test Items And Conditions

* Reliability Test Project

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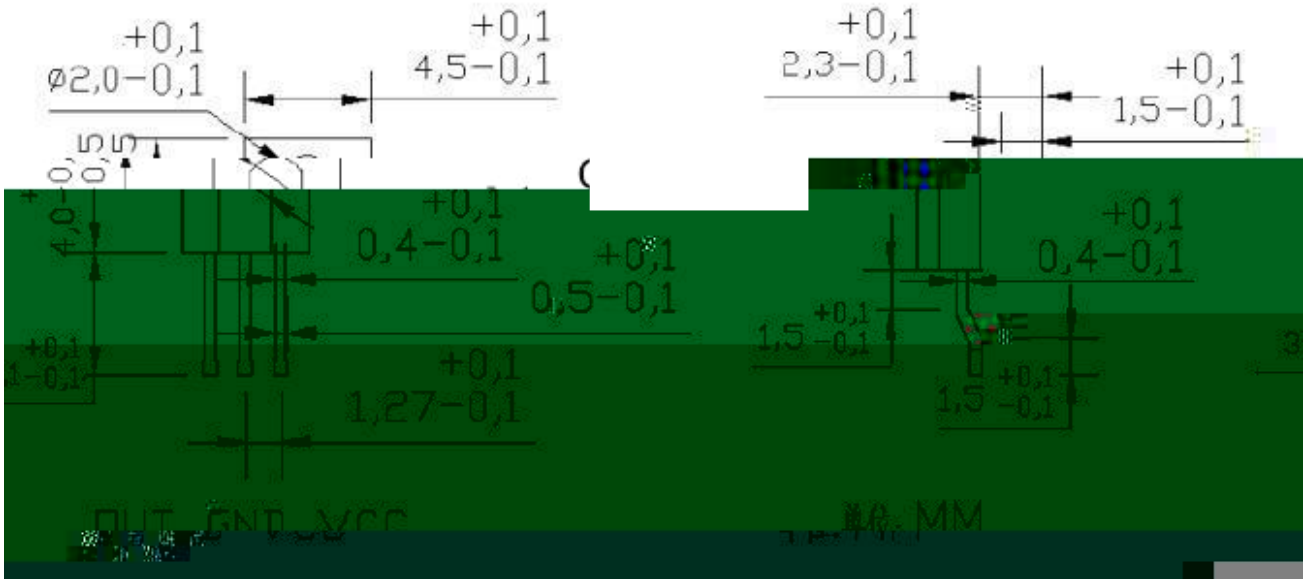
	260 ±5 Ì z	5 γ ṗ	20	20
ۿ	100PF 1.5KΩ, ㄱ4KV, Ɣ		20	20
⌟	10-50HZ/1min 1.5mm X Y Z/30min	30№	20	20
Ũ	85 ±2	240	20	20
٧ Ũ	-20 ±2	240	20	20

外形尺寸

Outline Dimension



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2. ≠ ¨Ḥ ¨E mm .

包装(1)

Packaging(1)

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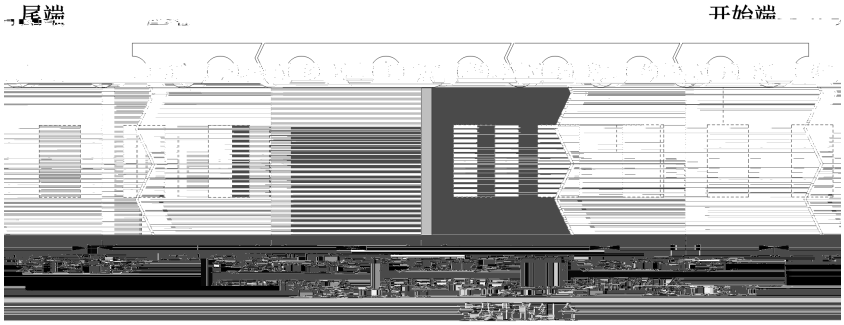
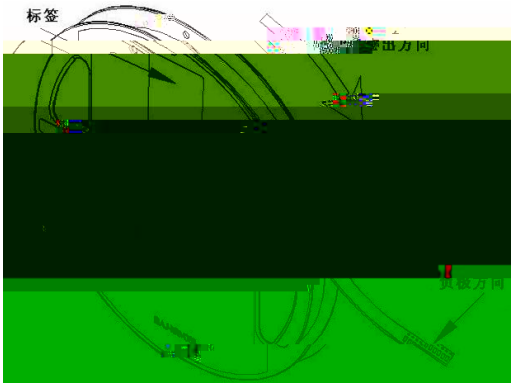
2.

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

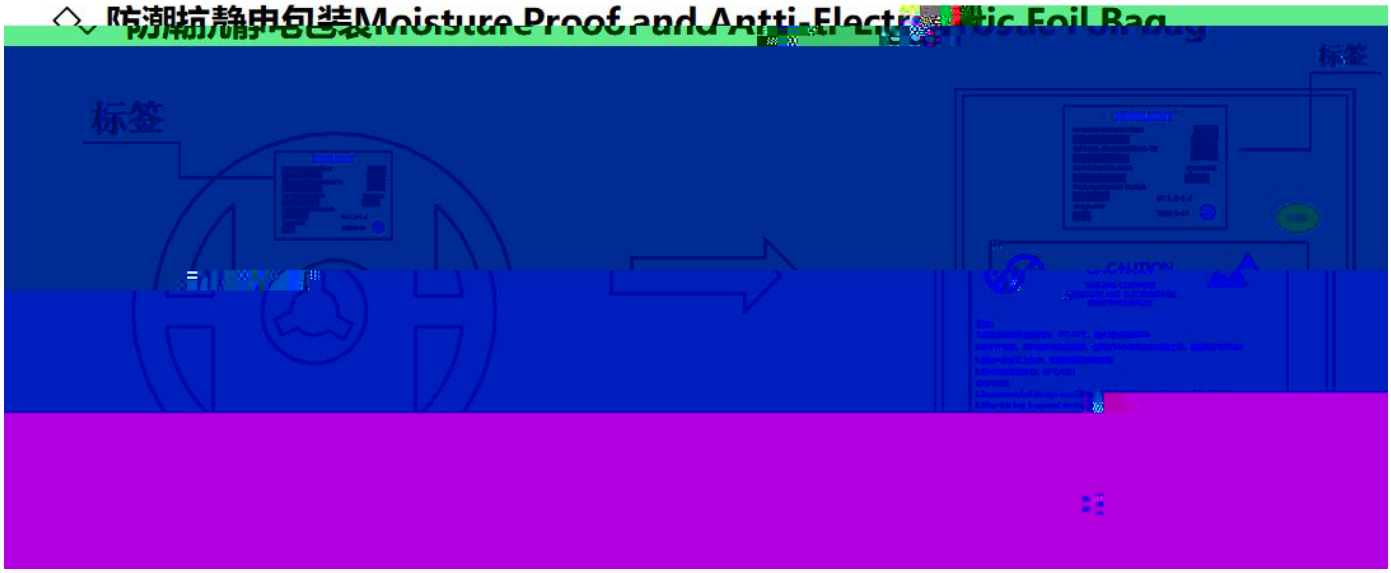




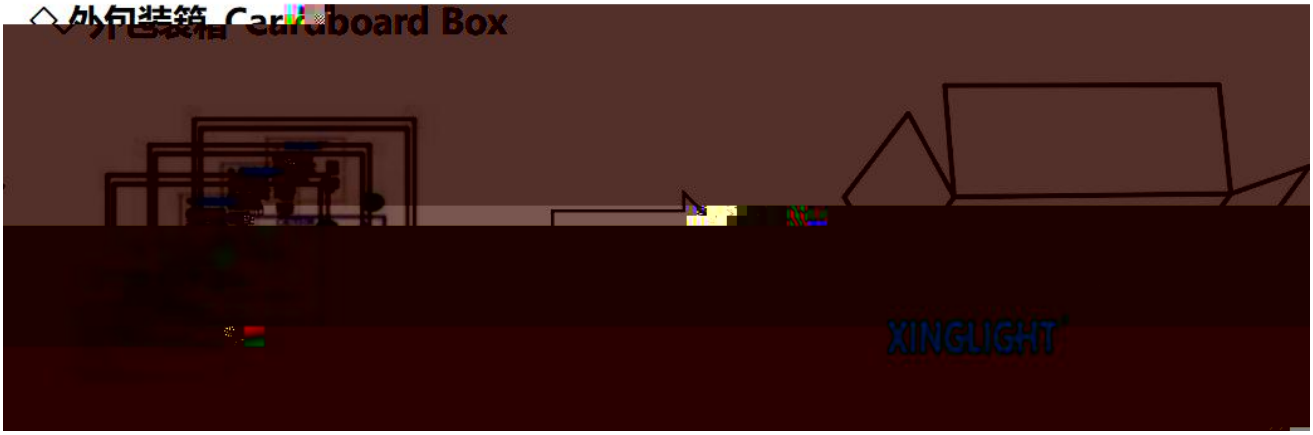
包装（2）

Packaging (2)

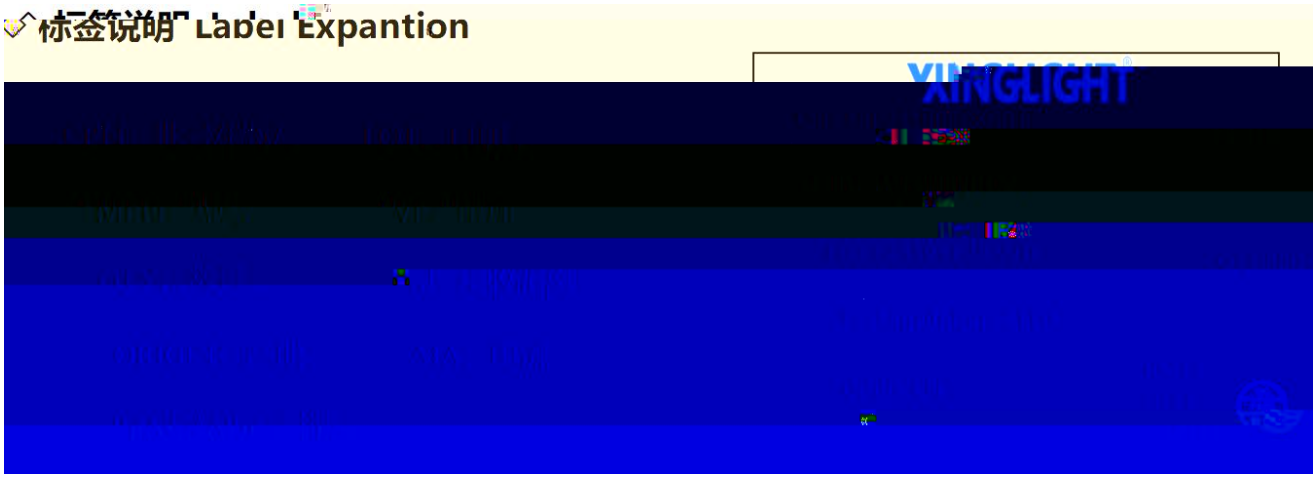
◇防潮抗静电包装Moisture Proof and Antti-Electric Foil Bag



◇外包装箱 Cardboard Box



◇标签说明 Label Expantion



焊接指导（1）

Guideline for Soldering (1)

使用烙铁人手焊接

Hand Soldering

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ɣ 7 ƀ

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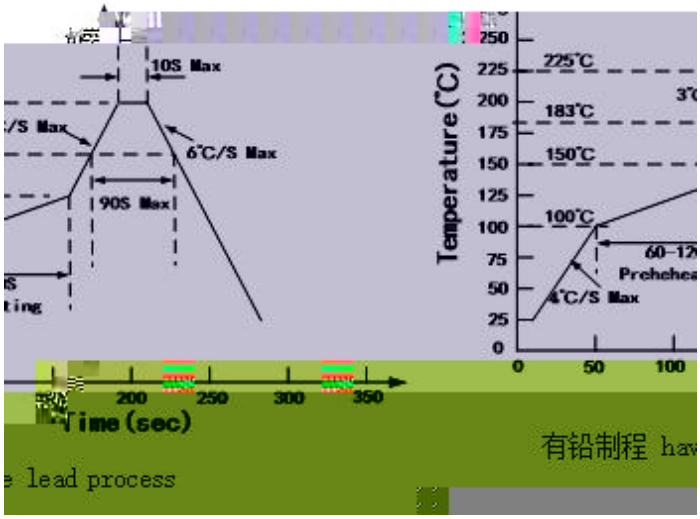
2. 回流焊接： ą ɣ عج يح

Reflow Soldering:



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· عجضي ٦ ٧ K ٧ ١ Z

焊接指导（2）

Guideline for Soldering (2)

3. [redacted]

Cleaning

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✱ **注意：** ∕ ↕ ė í r ì ⌡ غج ذ

PCB ė

✱ **Note:**

使用注意事项（1）

Precautions (1)

贮存：

Storage

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使用注意事项（3）

Precautions (3)

3. 其他事项：

Others

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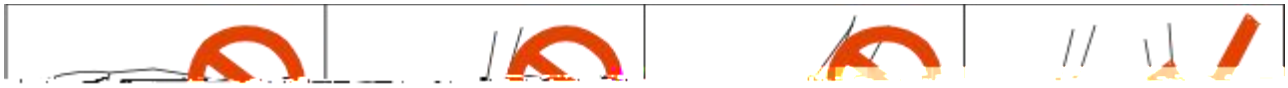

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4. 眼睛保护忠告：

Safety Advice For Human Eyes

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