XL-IRM0038C 技术数据表 **Technical Data Sheet**

简介：

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ج REACH غ ROHS Ḡ ج ضي
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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

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特点（characteristic ：

r
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
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应用领域（product application）：

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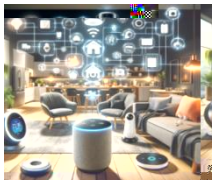

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电性参数

Electrical Characteristics

Absolute Maximum Ratings Ta=25

Parameter	Symbol	Rating	Unit
			6

Initial Electrical Optical Characteristics Ta=25

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

* CH3018-12U, 1M 40W 200±50Lux.

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ă̈ α Parameter	ˆ Symbol	Ų Min.	Ų Typ	Ų Max.	ϒ β Unit
˪ ˥	VDD	2.7	-	5.5	V

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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:

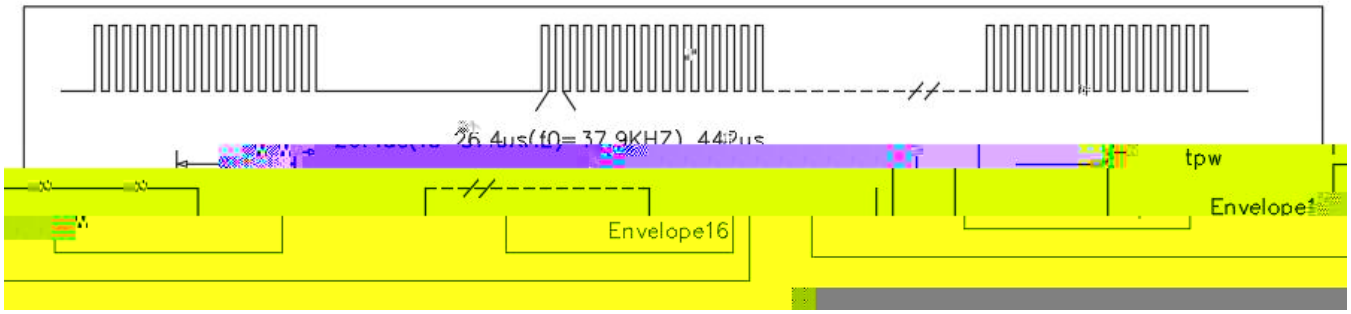
Working current grading

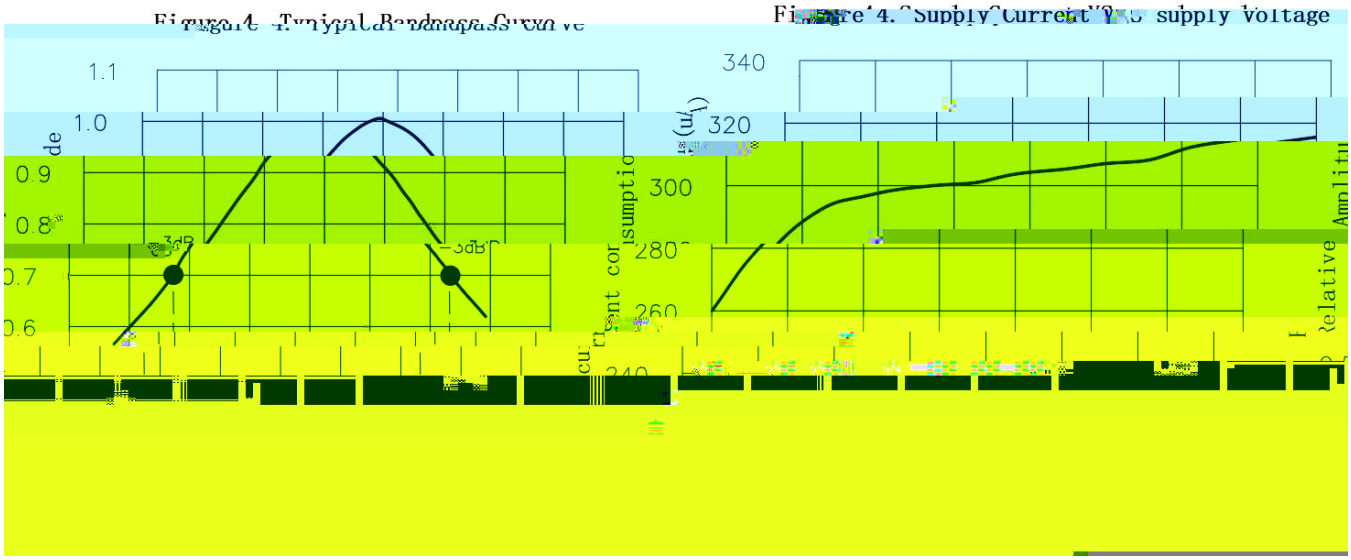
代码 Code	Min	最大值 Max	单位 Unit	测试条件 Test conditions

典型特性曲线

Typical Characteristics Curves

Test waveform





可靠性试验

Reliability Test Items And Conditions

* Reliability Test Project

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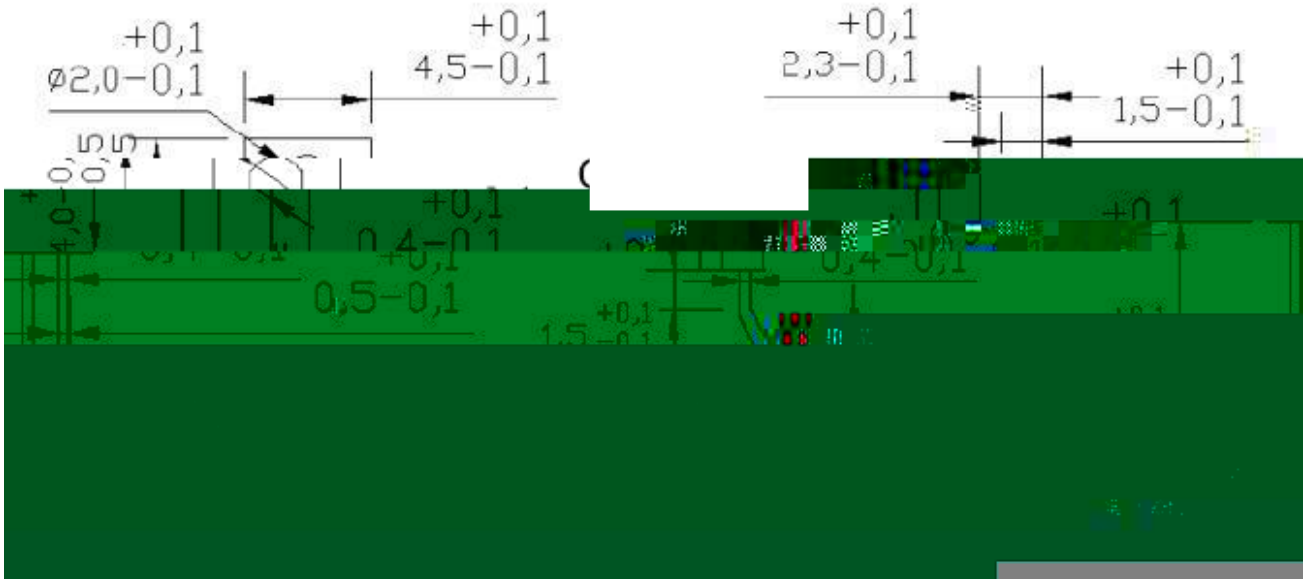
ۿ	100PF 1.5KΩ, ㄱ4KV, Ɣ		20	20
⌟	10-50HZ/1min 1.5mm X Y Z/30min	30№	20	20
Ũ	85 ±2	240	20	20
٧ Ũ	-20 ±2	240	20	20

外形尺寸

Outline Dimension



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包装(1)

Packaging(1)

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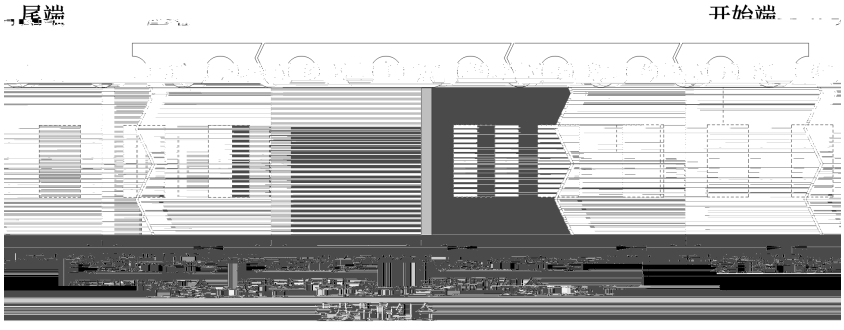
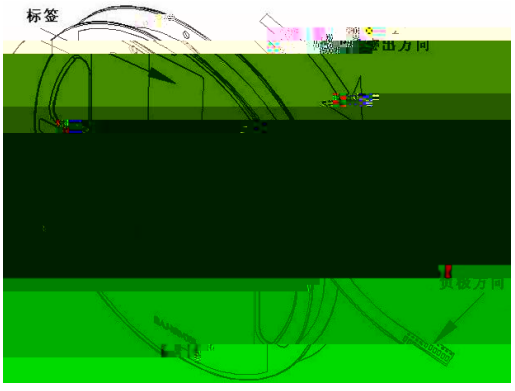
2.

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

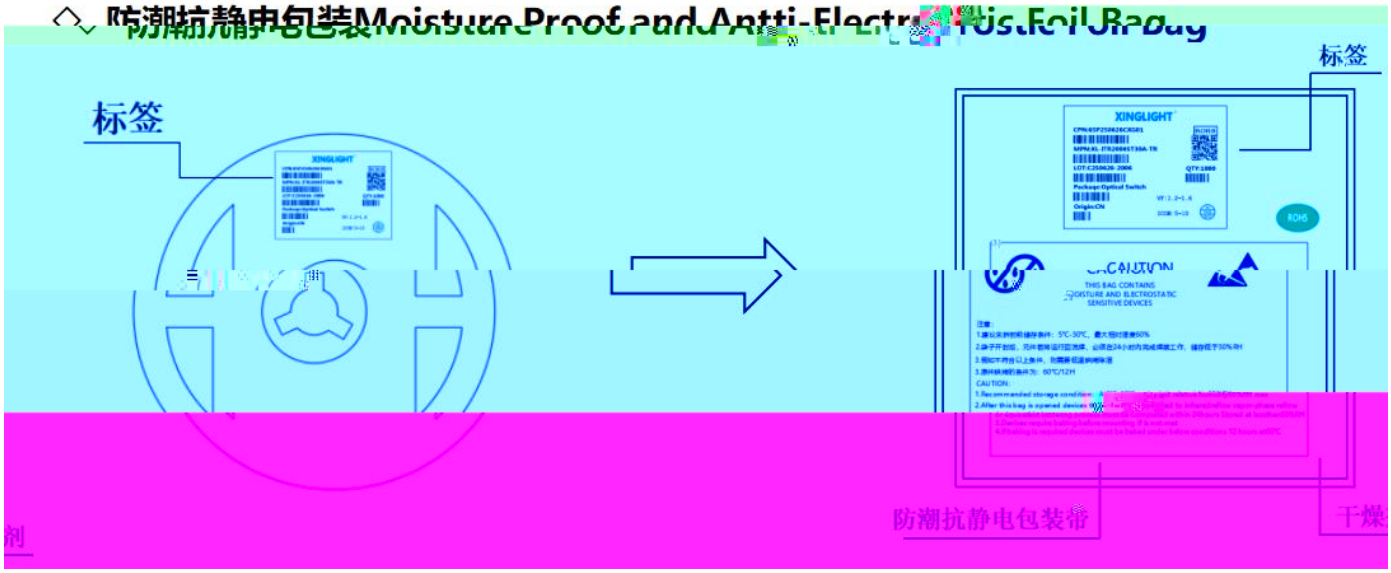




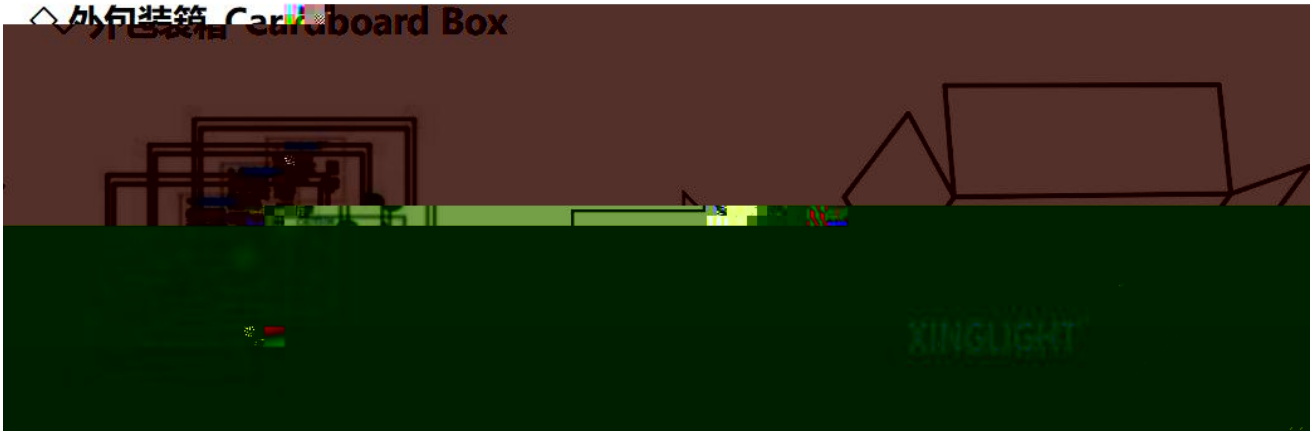
包装（2）

Packaging (2)

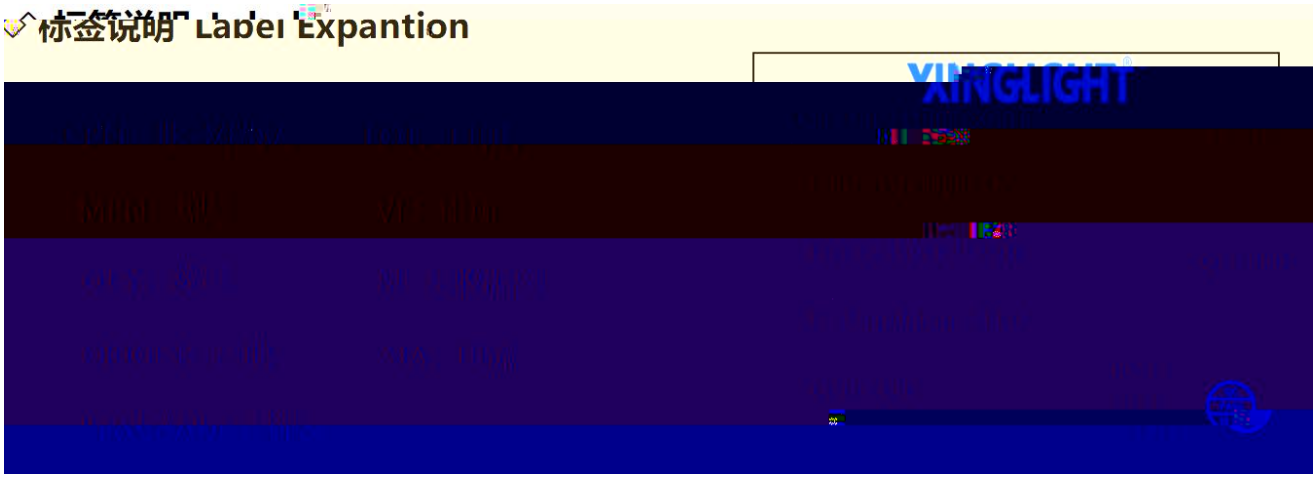
◇防潮抗静电包装Moisture Proof and Antti-Electr Foil Bag



◇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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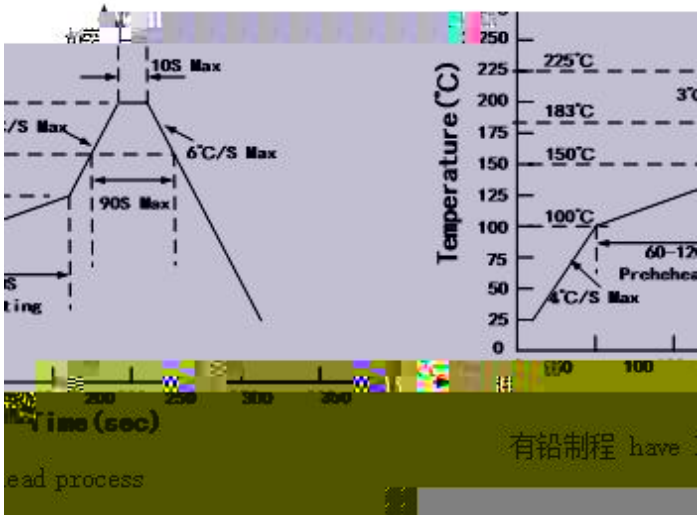
2. 回流焊接： ą ɣ عج يح

Reflow Soldering:



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焊接指导（2）

Guideline for Soldering (2)

3. [redacted]

Cleaning

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✱ **Note:**

使用注意事项（1）

Precautions (1)

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Storage

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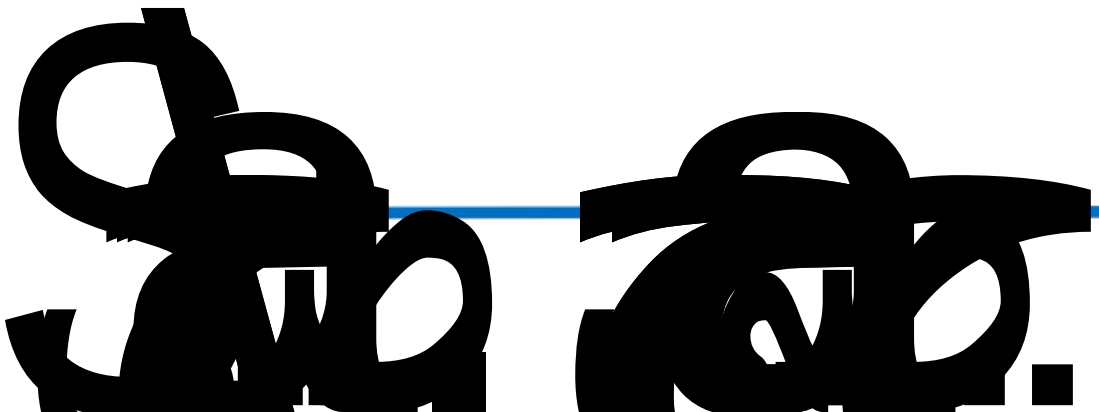

使用注意事项（3）

Precautions (3)

3. 其他事项：

Others

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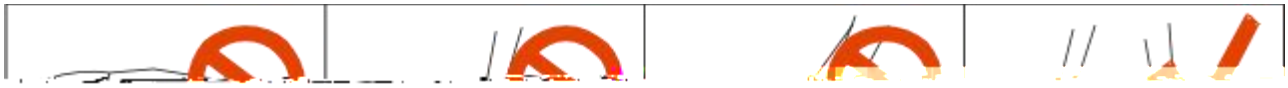

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4. 眼睛保护忠告：

Safety Advice For Human Eyes

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