

XL-PD438B

技术数据表 Technical Data Sheet

characteristic) :

* L/W/H :6.6*4.8*3.8 mm

Outline Dimensions (L / w / h): 6.6x 4.8 x 3.8mm

* : /

Luminous color and colloid: infrared receiver tube black colloid

* ROHS

Environmental protection products Complied With ROHS Directive

* MSL :3

Moisture sensitivity level MSL : 3 levels

* EIA

EIA standard packaging

*

High energy efficiency, fast startup

**应用领域 (product application) :**

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Medical equipment

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Infrared remote controller

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Camera monitoring head

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Industrial control: counters, thermal imaging, smart meter

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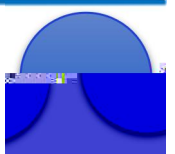
Infrared photoelectric switch

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Wireless communication and signal transmission

*

Intelligent car, robot



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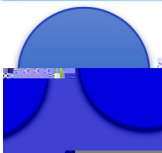
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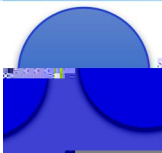
Precautions.....9



电性参数

Electrical Characteristics

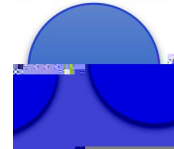
Parameter	Symbol	Maximum rating	Unit
Power consumption	Pd	150	mW
Reverse Voltage	VR	32	V
Operating ambient temperature	Topr	-40°C ~ +85°C	
Storage ambient temperature	Tstg	-40°C ~ +85°C	
Welding conditions	Tsol	260 ≤ 6S	



Initial Electrical Optical Characteristics Ta=25

Parameter	Symbol	Min	Represe ntative	Max	Unit	Condition
Open-Circuit Voltage	VOC	/	0.35	/	V	$\lambda = 940\text{nm}$ $E_{\text{eff}} = 1\text{mW/cm}^2$
Short-Circuit Current	Isc	/	18	/	μA	$\lambda = 940\text{nm}$ $E_{\text{eff}} = 1\text{mW/cm}^2$
Reverse Light Currente	IL	15	25	/	μA	$\lambda = 940\text{nm}$ $V_{\text{R}} = 5\text{V}$ $E_{\text{eff}} = 1\text{mW/cm}^2$
Reverse Dark Current	ID	/	5	30		

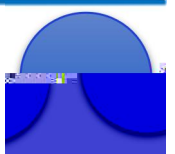
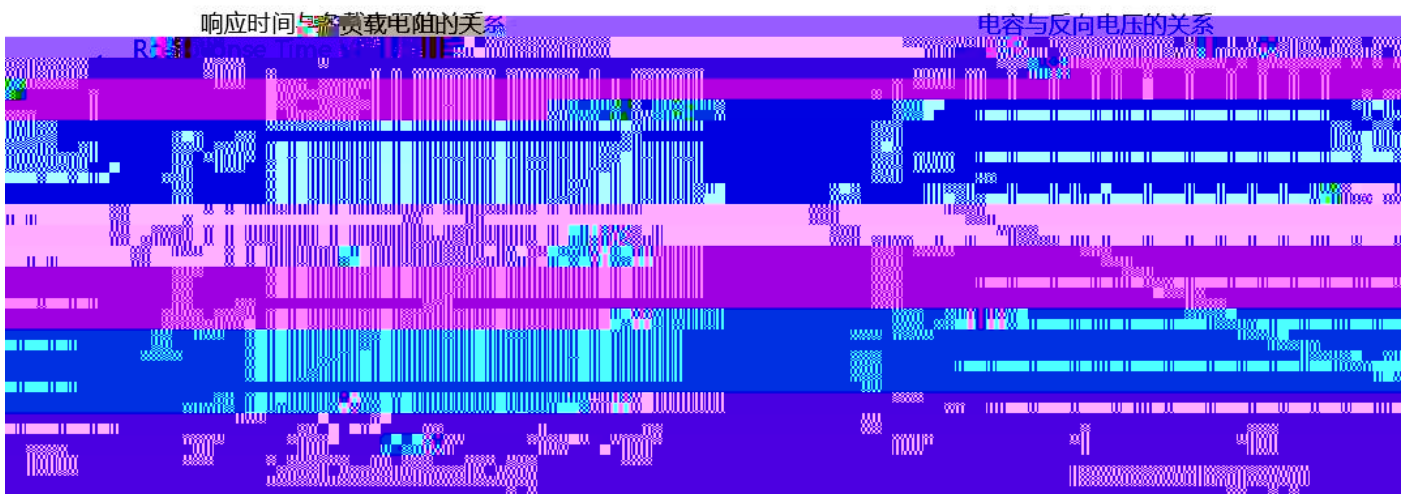
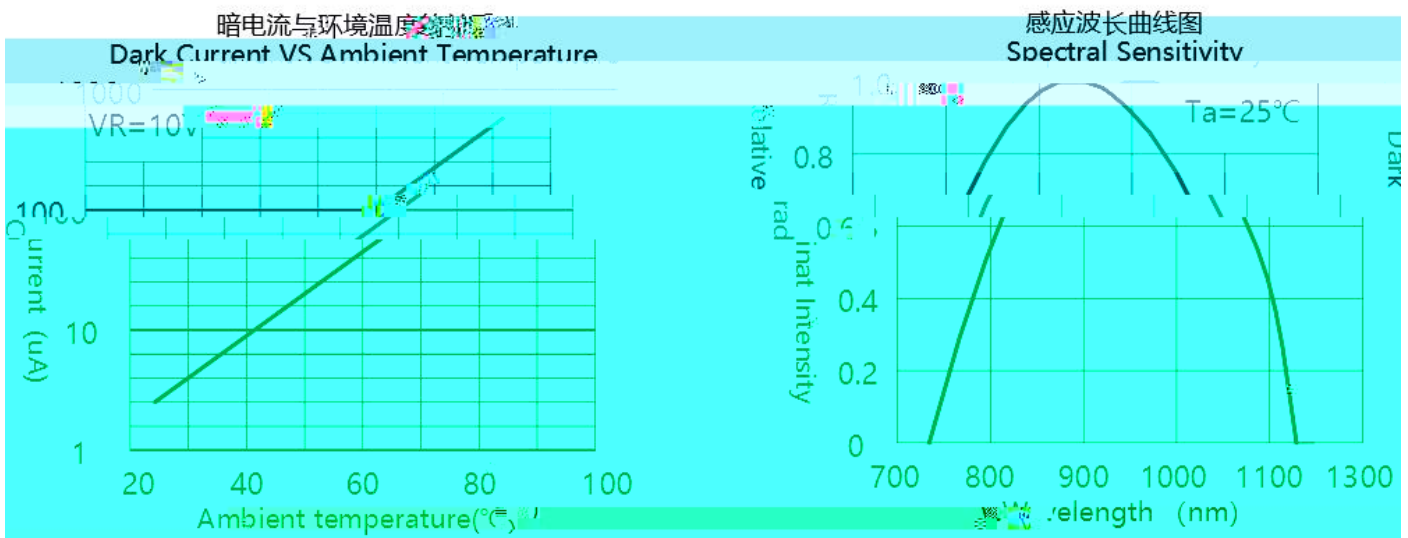
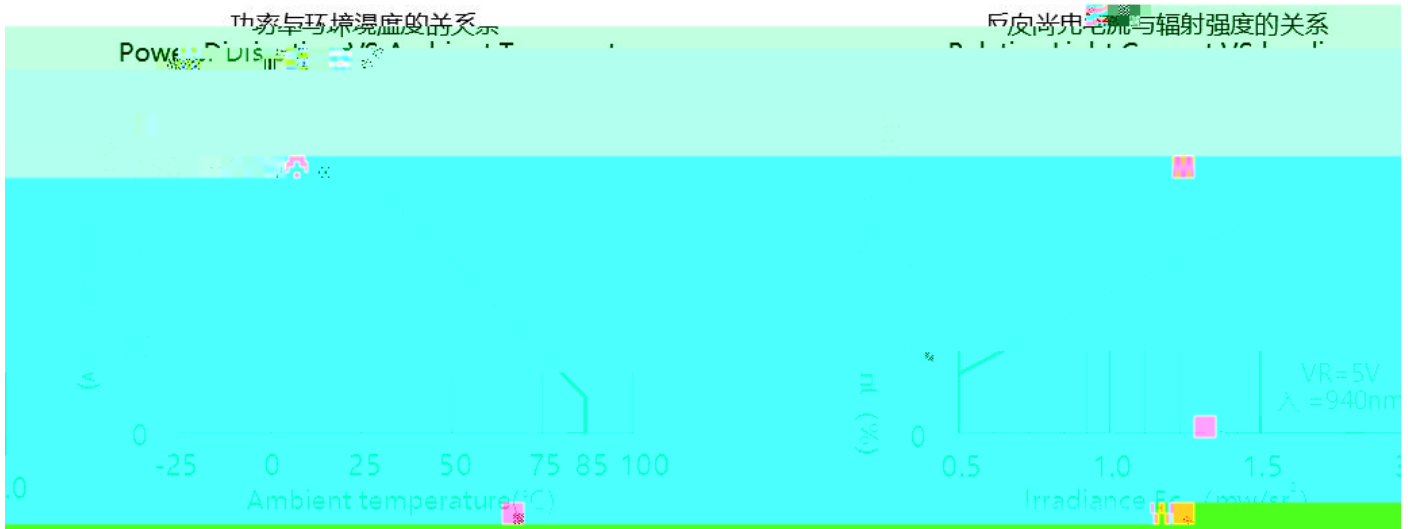
||



40V

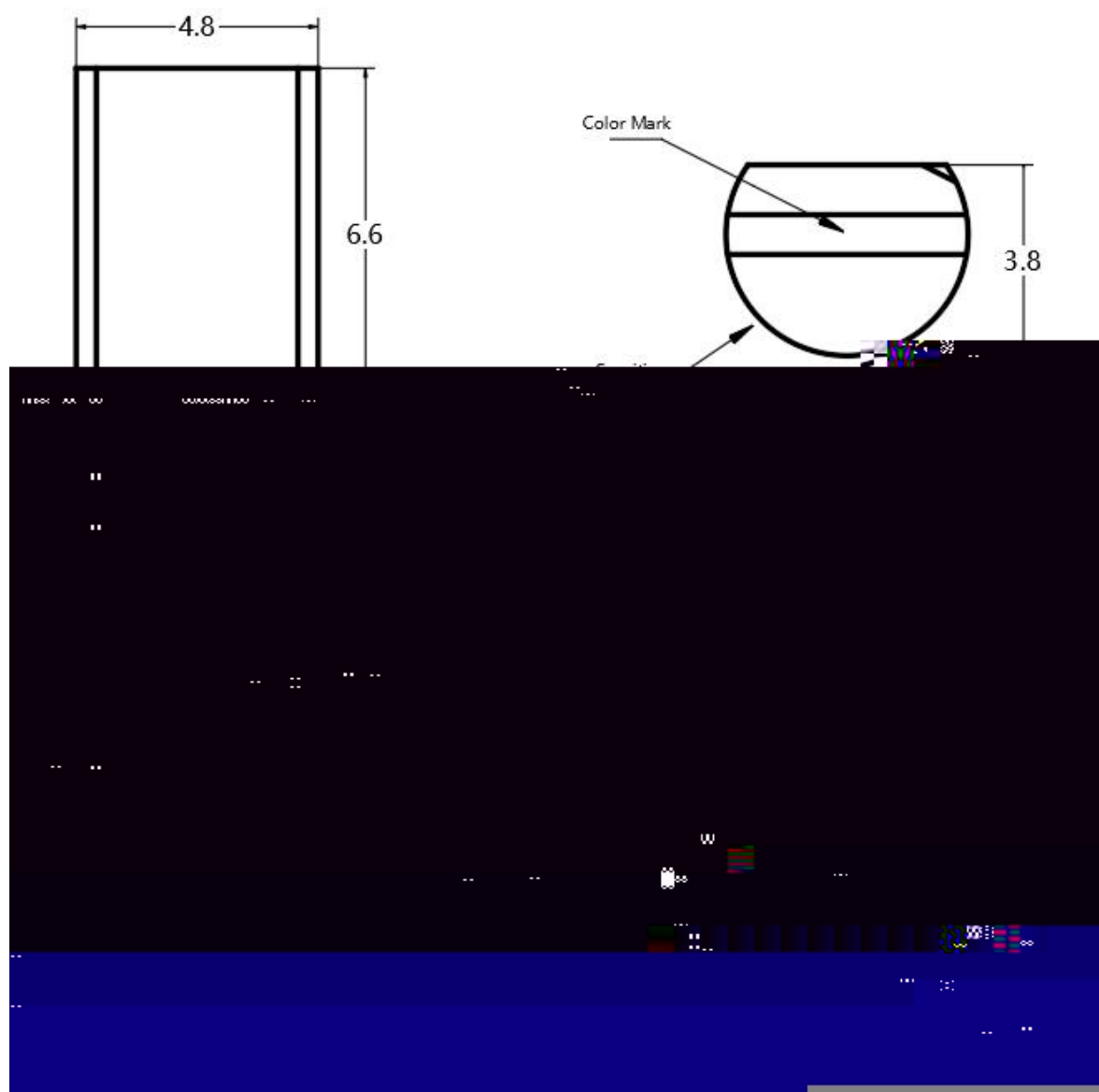
典型特性曲线

Typical Characteristics Curves



外形尺寸

Outline Dimension



(Note)

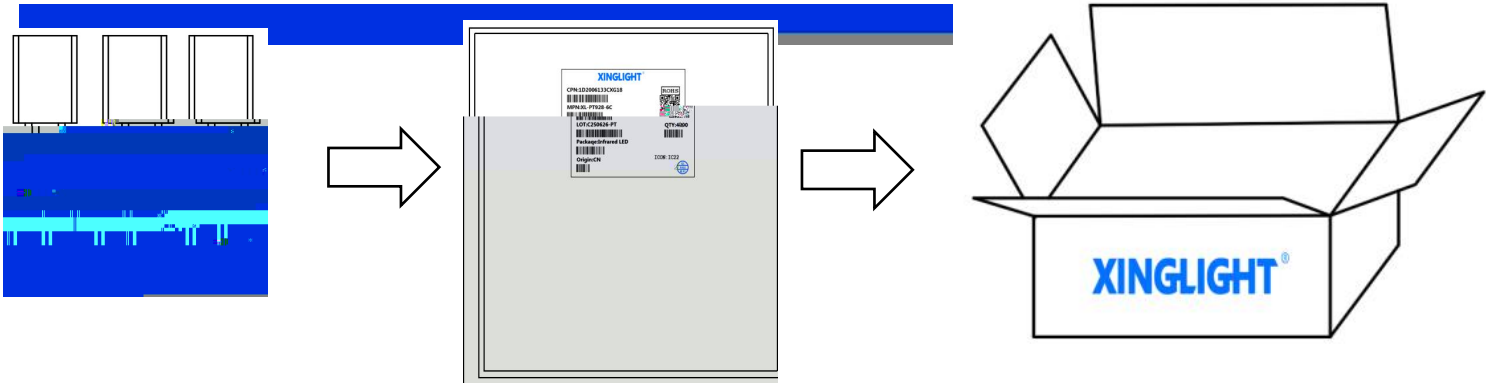
1. Dimensions are in millimeters
2. Tolerances unless mentioned are $\pm 0.30\text{mm}$



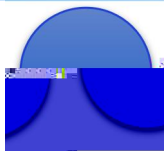
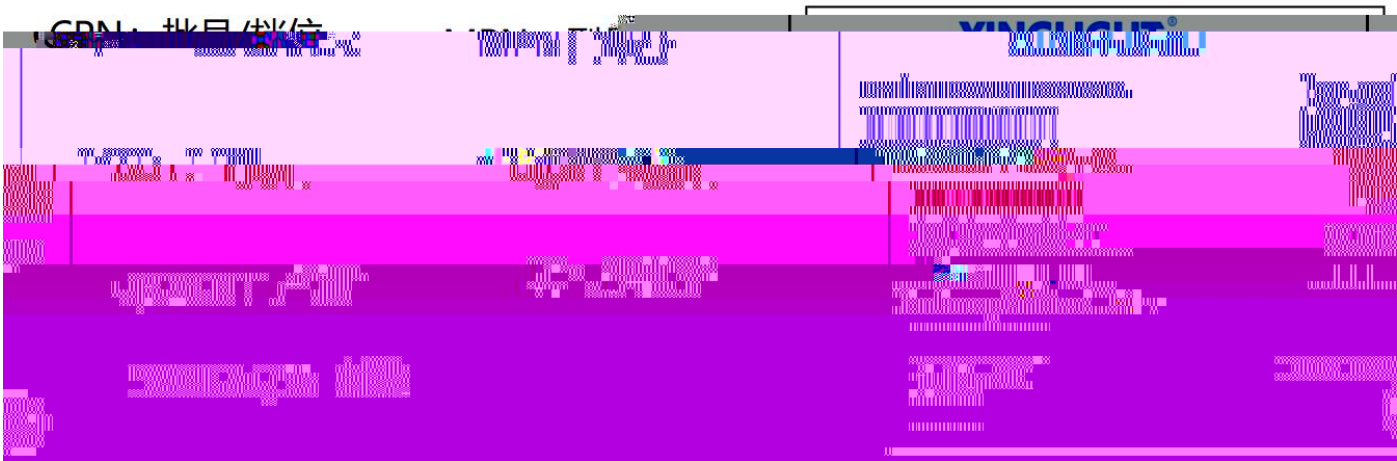
包装

Packaging

Moisture Proof and Antti-Electrostatic Foil Bag



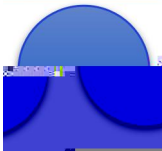
Label Expantion







使用注意事項 (2)



使用注意事項 (3)

