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）：

*

Medical equipment

*

Infrared remote controller

*

Camera monitoring head

*

Industrial control: counters, thermal imaging, smart meter

*

Infrared photoelectric switch

*

Wireless communication and signal transmission

* ,

Intelligent car, robot

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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

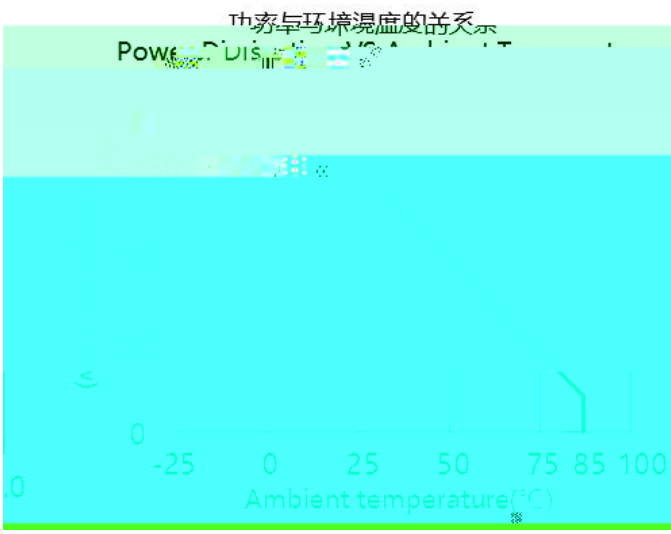
Parameter	Symbol	Min	Representative	Max	Unit	Condition
Open-Circuit Voltage	VOC	/	0.35	/	V	=940nm Ee mW/cm2
Short-Circuit Current	Isc	/	18	/	μA	=940nm Ee mW/cm2
Reverse Light Currente	IL	15	25	/	μA	=940nm V_R=5V Ee mW/cm2
Reverse Dark Current	ID	/	5	30		

40V

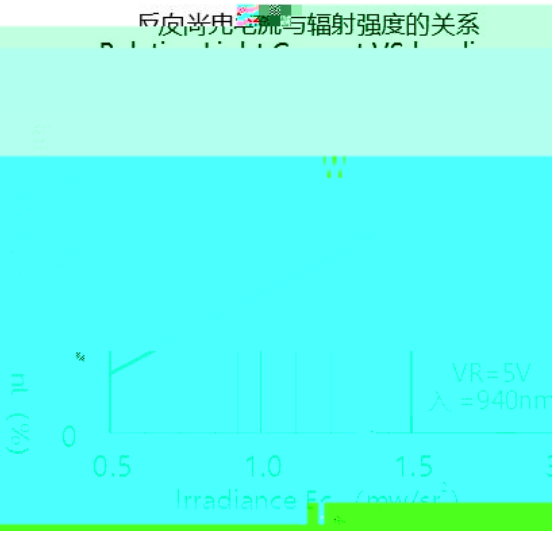
典型特性曲线

Typical Characteristics Curves

功率与环境温度的关系

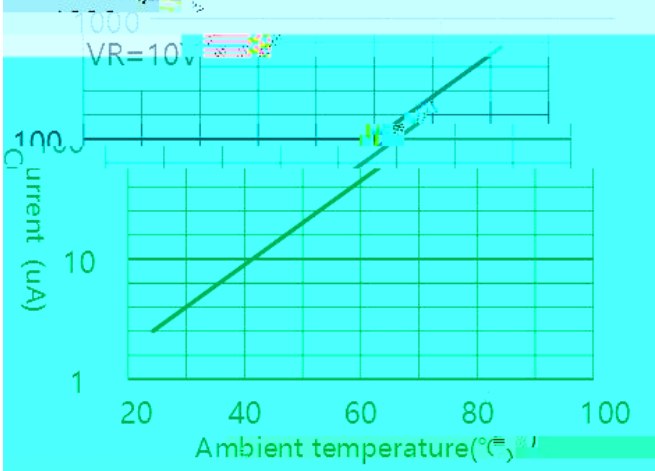


反向光电流与辐射强度的关系



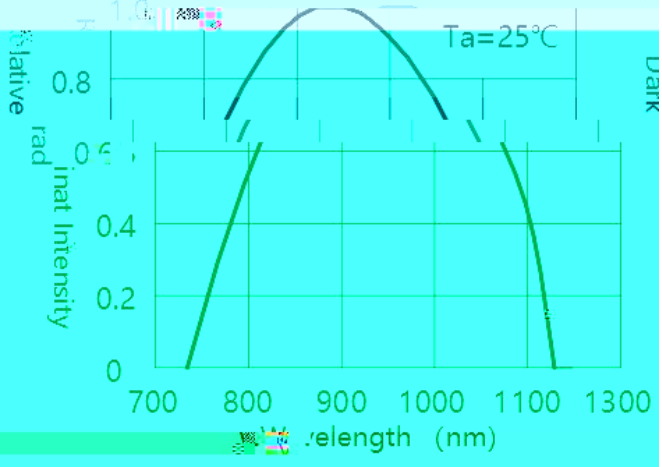
暗电流与环境温度关系

Dark Current VS Ambient Temperature

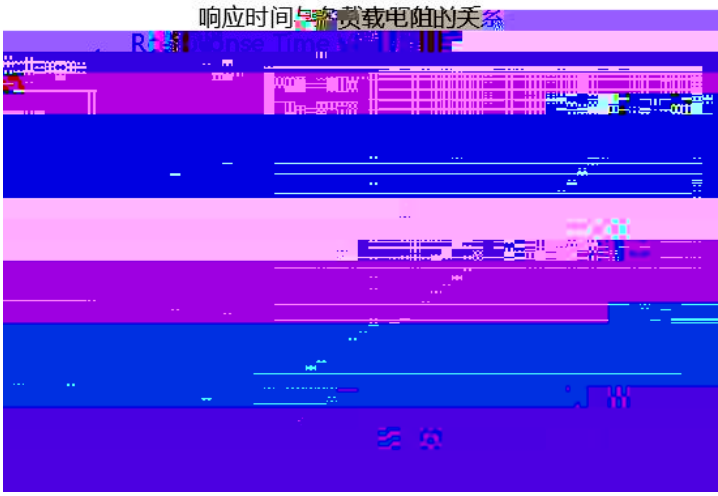


感应波长曲线图

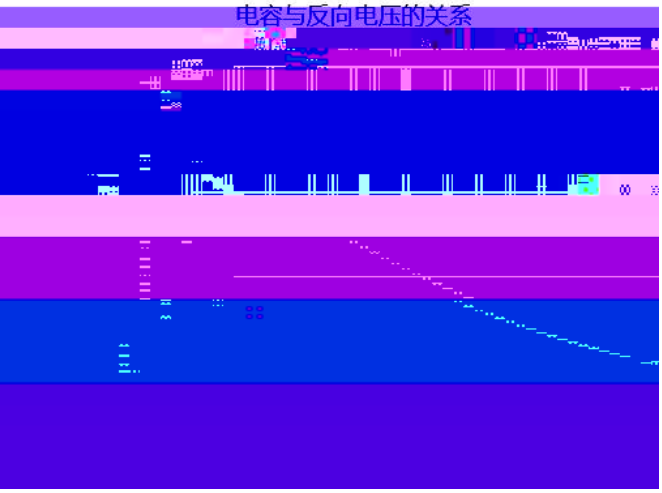
Spectral Sensitivity



响应时间与负载电阻的关系

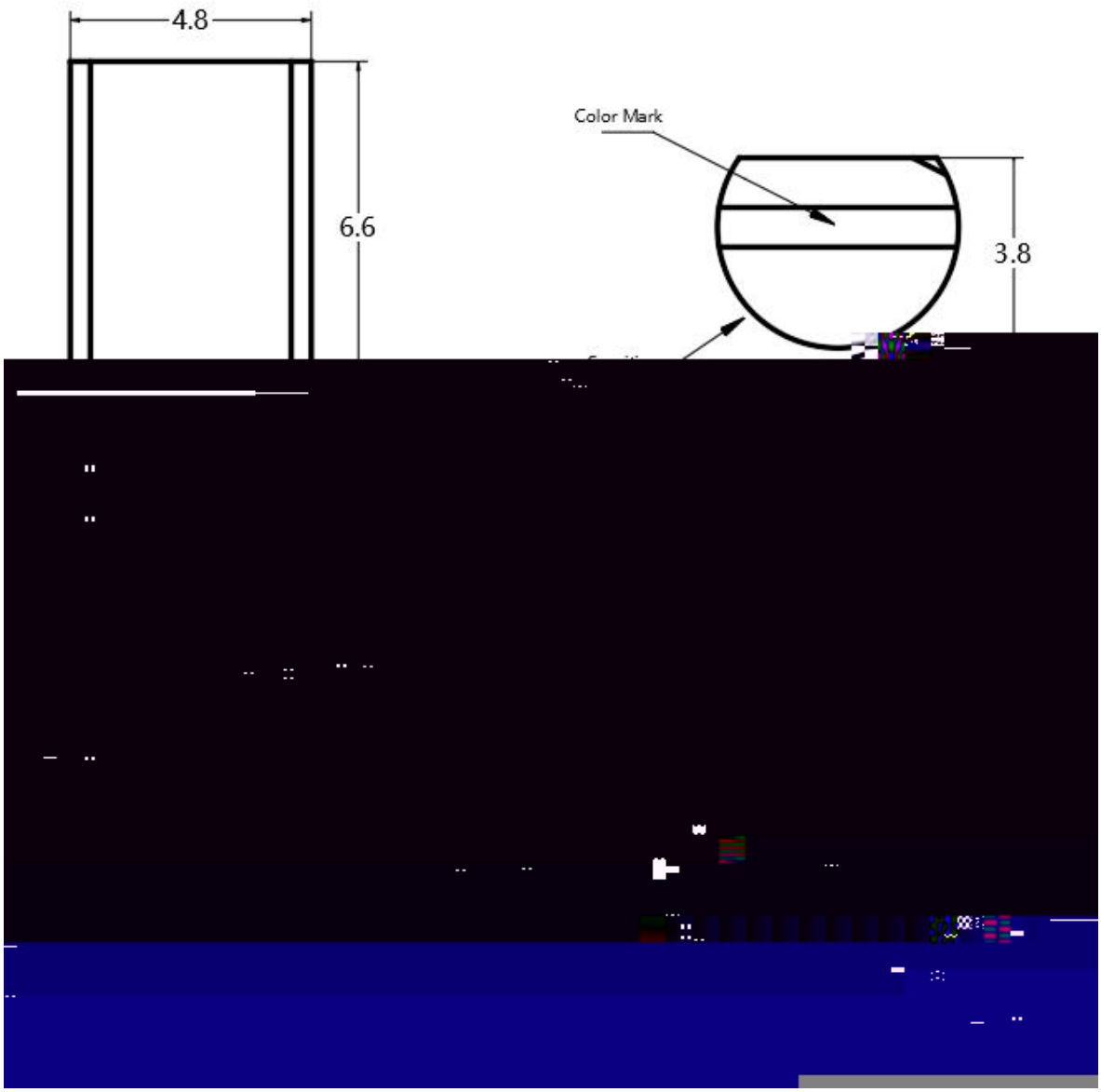


电容与反向电压的关系



外形尺寸

Outline Dimension



(Note)

1.

Dimensions are in millimeters

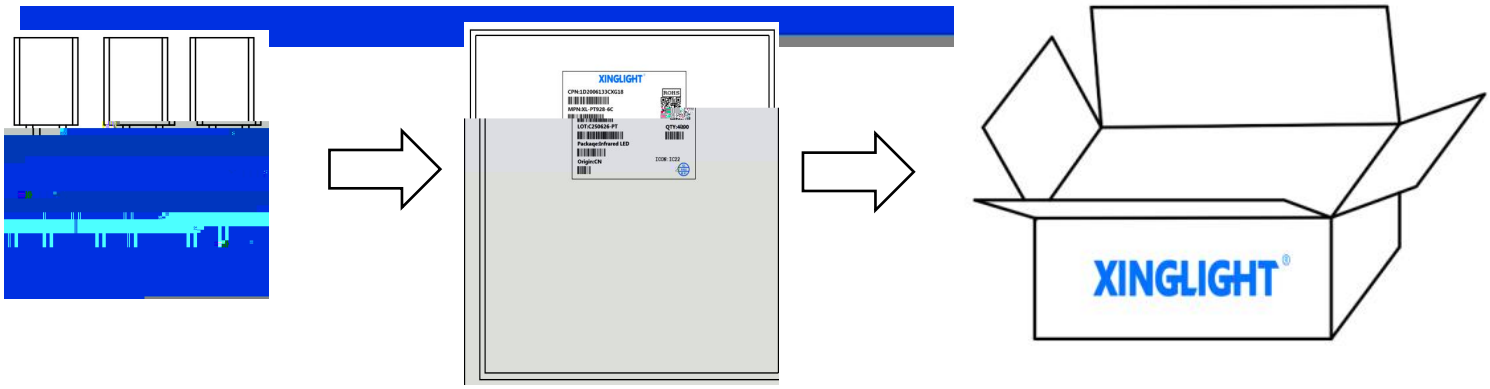
2. ± 0.30mm

Tolerances unless mentioned are ± 0.30mm

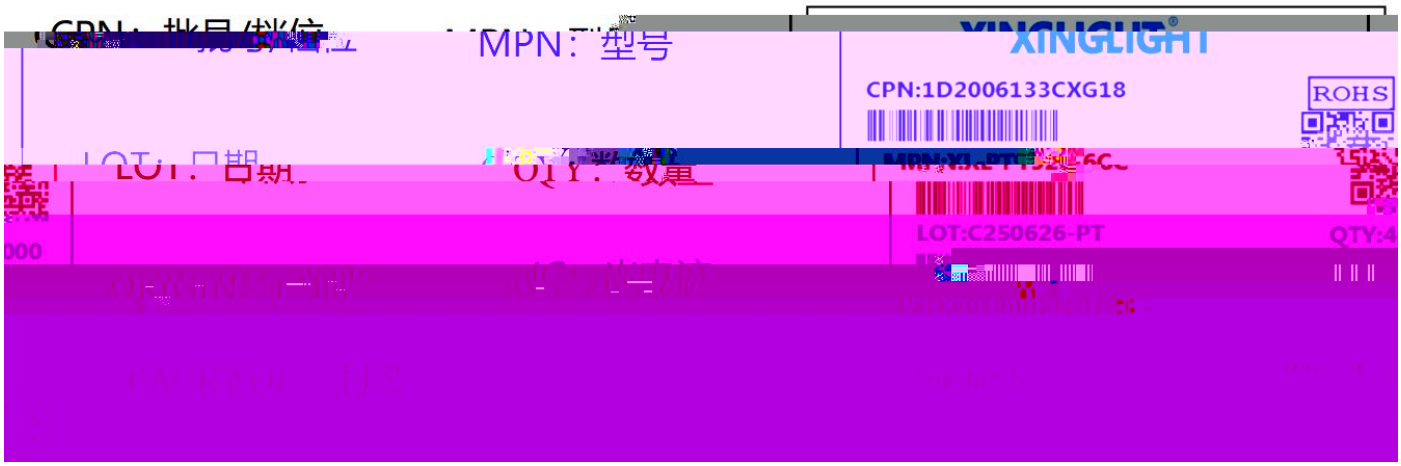
包装

Packaging

Moisture Proof and Antti-Electrostic Foil Bag



Label Expantion



使用注意事项（2）

使用注意事项（3）