

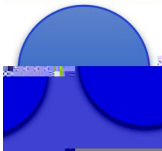
技术数据表

特点 () :

- 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 transparent colloid
- ROHS
- Environmental protection products Complied With ROHS Directive
- Moisture sensitivity level MSL : 3 levels
- EIA
- EIA standard packaging
- *
- High energy efficiency, fast startup

应用领域 () :

- Infrared remote controller
- Camera monitoring head
- Industrial control: counters, thermal



目录

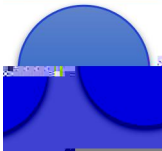
Catalogue



电性参数



Power consumption	Pd	150	mW
Reverse Voltage	VR		



Open-Circuit Voltage	VOC	/	0.35	/	V	$\lambda_P=940\text{nm}$ $E_e=5\text{mW/cm}^2$
Short-Circuit Current	Isc	/	18	/	μA	$\lambda_P=940\text{nm}$ $E_e=1\text{mW/cm}^2$
Reverse Light Currente	IL	15	25	/	μA	$\lambda_P=940\text{nm}$ $V_R=5\text{V}$ $E_e=1\text{mW/cm}^2$
Reverse Dark Current	ID	/	5	30	nA	$V_R=10\text{V}$ $E_e=0\text{mW/cm}^2$
Rise time	Tr	/	50	/	uS	$V_R=10\text{V}$ $R_L=1000\Omega$
Fall time	Tf	/	50	/		
Reverse Breakdown Voltage	BVR	25	170	/	V	$E_e=0\text{mW/cm}^2$ $I_R=100\mu\text{A}$
Total Capacitance	Ct	/	6	/	pF	$E_e=0\text{mW/cm}^2$ $V_R=5\text{V}$ $f=1\text{MHz}$
Rang of Spectral Bandwidth	$\lambda_{0.5}$	400	/	1100	nm	/
Wavelength of Peak Sensitivity	λ_P	/	940	/	nm	/

Rank

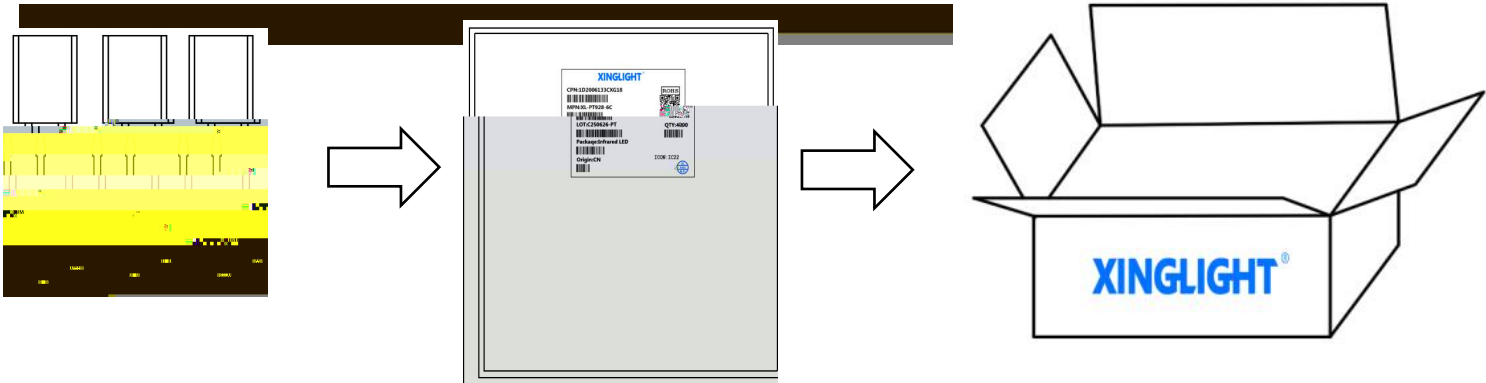
BIN1	IL	$E_e=1\text{mW/cm}^2$ $V_{CE}=5\text{V}$	10.2	16.5	mA
BIN2			13.5	22.0	mA
BIN3			18.0	27.5	mA
BIN4			22.5	33	mA



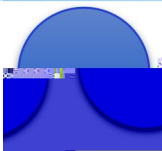
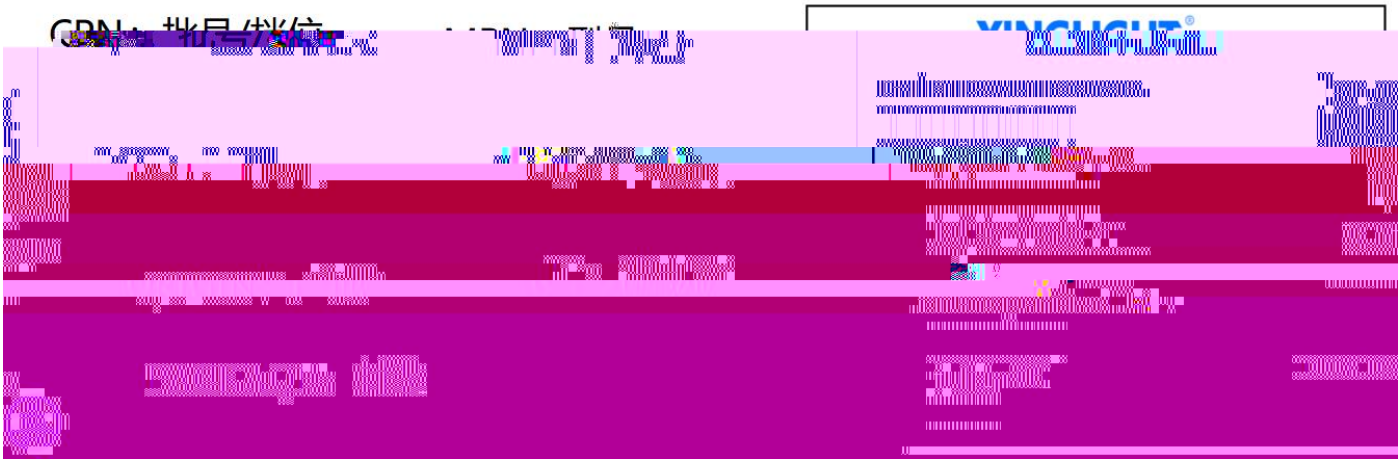


包装

Moisture Proof and Antti-Electrostatic Foil Bag

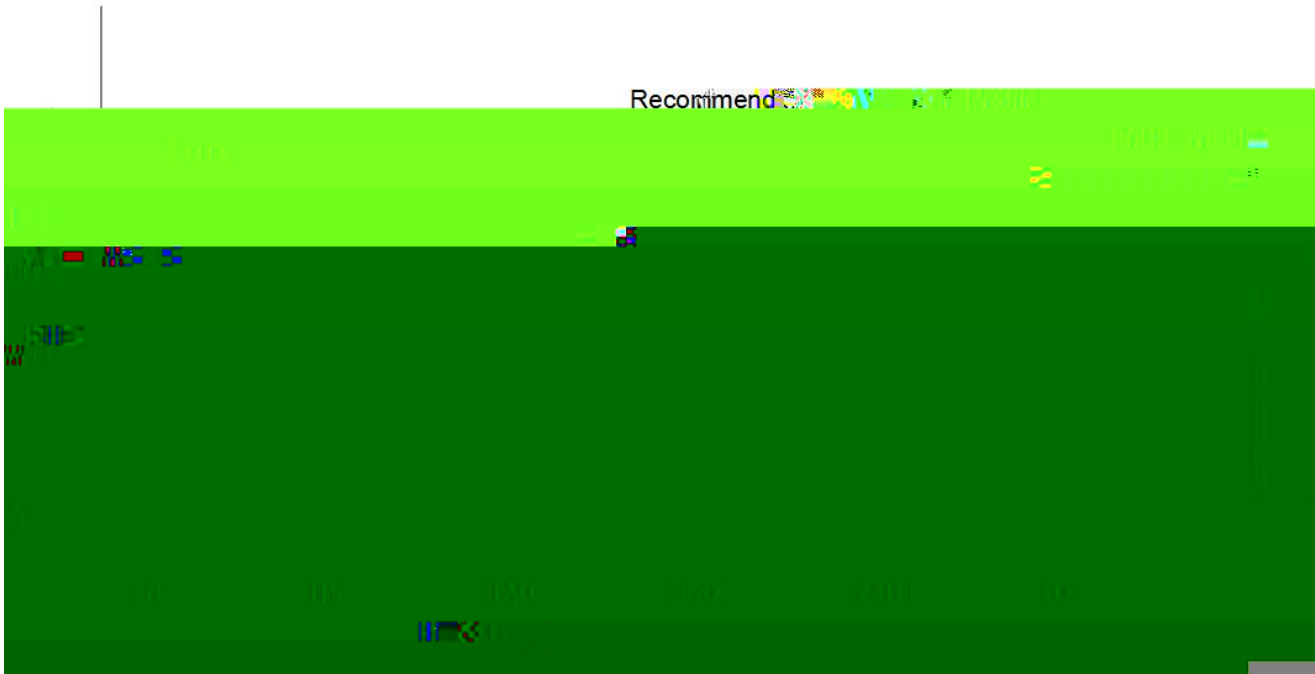


Label Expantion



焊接指导

The wave peak welding curve is recommended :



Note

1

Lead solder temperature profile

2

Suggest one wave soldering frequency

3

LED

When soldering, do not put stress on the LED during heating

4

After soldering, do not warp the circuit board

5

240 /6S

The recommended maximum welding temperature for the product is 240 /6s



使用注意事項 (1)



Soldering Iron

300

3

25W

Each terminal is to go to the tip of soldering iron temperature less than 300 for 3 seconds within once in less than the soldering iron capacity 25W. Leave two seconds and more intervals, and do soldering of each terminal. Be careful because the damage of the product is often started at the time of the hand solder.



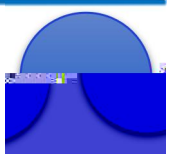
手工补焊 Repairing

LED

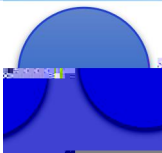
()

LED

Repair should not be done after the LED have been soldered. When repairing is unavoidable, a double-head soldering iron should be used (as below figure). It should be confirmed beforehand whether the characteristics of the LED will or will not be damaged by repairing.



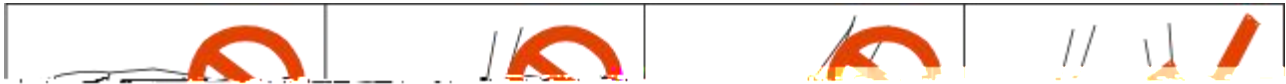
使用注意事項 (2)



使用注意事项 (3)



When handling the product, touching the encapsulant with bare hands will not only contaminate its surface, but also affect on its optical characteristics. Excessive force to the encapsulant might result in catastrophic failure of the LEDs due to die breakage or wire deformation. For this reason, please do not put excessive stress on LEDs, especially when the LEDs are heated such as during Reflow Soldering.



LED

The epoxy resin of encapsulant is fragile, so please avoid scratch or friction over the epoxy resin surface. While handling the product with tweezers, do not hold by the epoxy resin, be careful.

