

PRODUCT SPECIFICATION

Customer : _____

Part No : XY-1206-1-YC

Developed No : _____

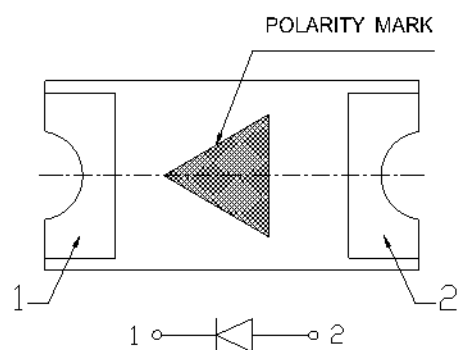
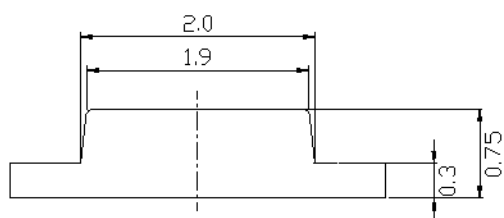
Date : _____

CUSTOMER	APPROVED	BY

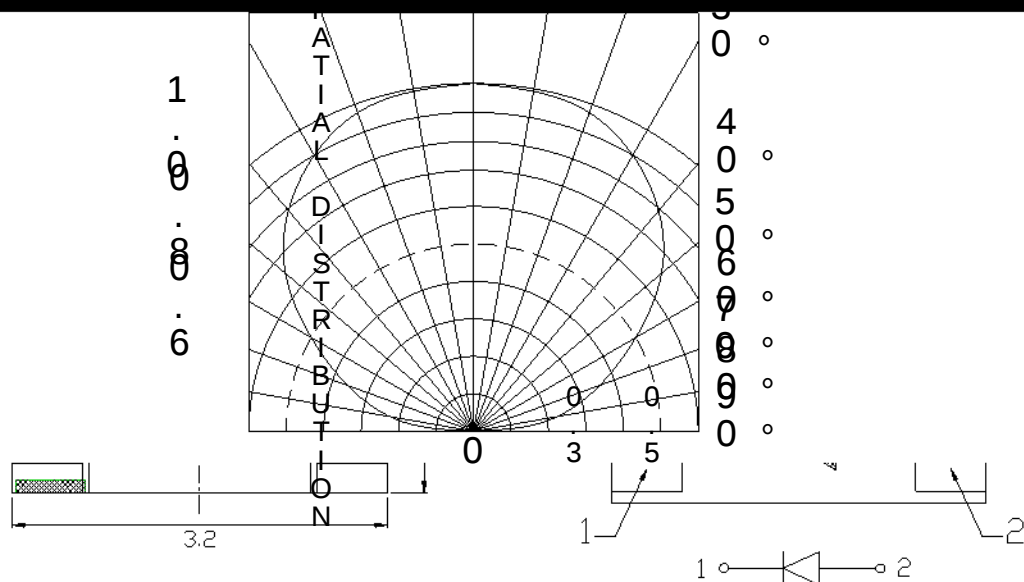
APPROVED	Q.C.	R&D

SHENZHEN XINGYU OPTO -ELECTRONIC CO., LTD .

Technical drawing of a rectangular component. The drawing shows a top view with a central square feature. The overall width is 3.2 and the overall height is 1.6. A label "POLARITY MARK" points to a shaded rectangular area on the left side of the component.



1. All dimensions are in millimeters.
2. Tolerance is ± 0.1 unless otherwise noted.
3. Specifications are subject to change without notice.



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■ Typical Electrical & Optical Characteristics(Ta=25 °)

Items	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	VF	IF =20mA	1.9	2.0	2.1	V
Reverse Current	IR	VR =5V	---	---	5	μ A
Dominant Wavelength	λ d	IF =20mA	585	590	595	nm
Luminous Intensity	Iv	IF =20mA	120	130	150	mcd
View Angle	2 θ 1/2	IF =20mA	---	120	---	Deg

■ Absolute Maximum Ratings (Ta = 25 °)

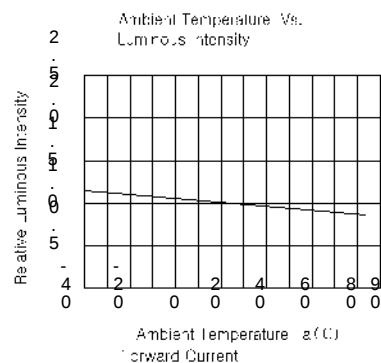
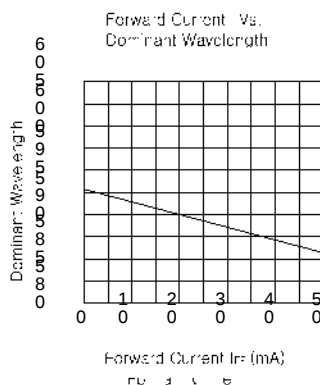
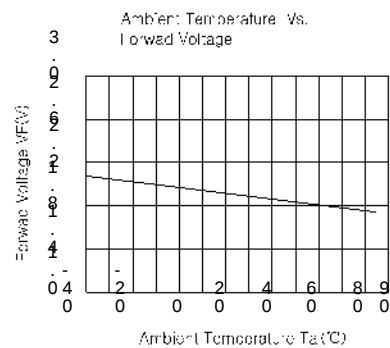
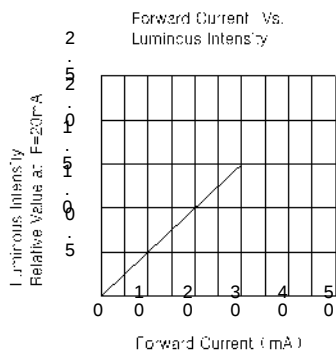
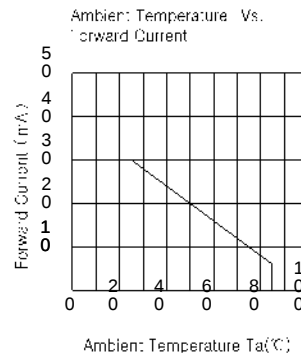
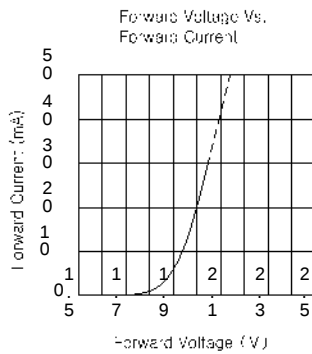
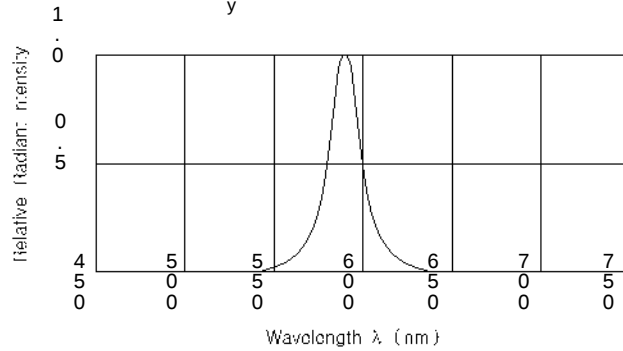
Items	Symbol	Absolute maximum Rating	Unit
Power Dissipation	PD	120	mW
Forward Current(DC)	IF	30	mA
Peak Forward Current	IFP	120	mA
Reverse Voltage	VR	5	V
Operation Temperature	Topr	- 40 ~ + 85	
Storage Temperature	Tstg	- 40 ~ + 85	

Note :1/10 Duty Cycle , 0.1 ms Pulse Width.

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Typical Electrical/Optical Characteristics Curves:

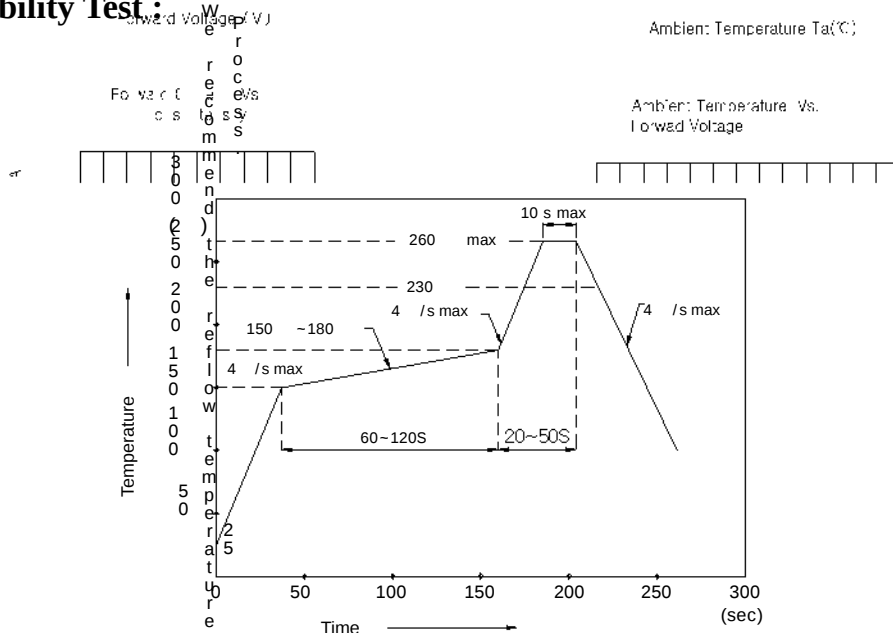


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Classification	Test Item	Test Conditions	Duration	Units Tested	Number of Damaged
Life Test	Operating Life Test	Ta=25 ± 5 , RH=55 ± 20%RH, IF=30mA	1000hrs	22	0/22
Environment Test	High Temperature Storage	Ta =100 ± 10	1000hrs	22	0/22
	Low Temperature Storage	Ta = - 40 ⁺³ ₋₅	1000hrs	22	0/22
	Temp & Humidity Storage	Ta =85 ⁺⁵ ₋₃ RH=85 ⁺⁵ ₋₁₀ %RH	1000hrs	22	0/22
	Thermal Shock Test	Ta= - 40 ⁺⁵ ₋₃ ~ 100 ⁺³ ₋₅ T=5min - 5min	100 Cycles	22	0/22
	Temperature Cycling Test	Ta= - 40 ⁺³ ₋₅ ~ 25 ⁺⁵ ₋₃ ~ 100 ⁺⁵ ₋₃ ~ 25 T=30min-5min-30min-5min	10Cycles	22	0/22

■ Reliability Test:

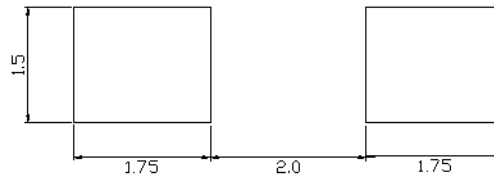


NOTES:

1. maximum soldering temperature should be limited to 260 ⁺⁵₋₅ °C.
2. Don't cause stress to the epoxy resin while it is exposed to high temperature.
3. Number of reflow process shall be 2 times or less.

■ **Recommended Soldering Pattern:**

(Units:mm)



■ **Tape Specifications:**

(Units:mm)

