

PRODUCT SPECIFICATION

Customer : _____

Part No : XY-3528-1 -OC

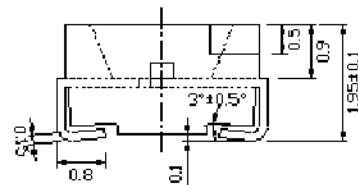
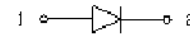
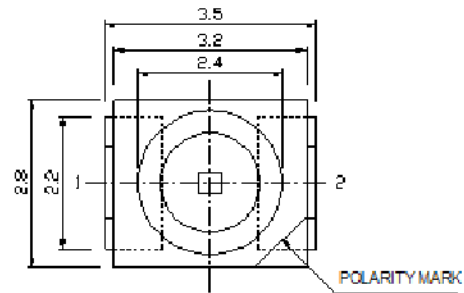
Developed No : _____

Date : _____

CUSTOMER APPROVED BY

APPROVED	Q.C.	R&D

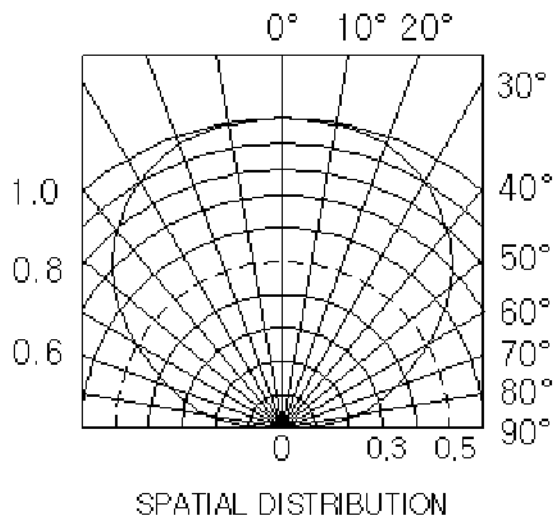
■ **Outline Dimension:**



Notes:

1. All dimensions are in millimeters.
2. Tolerance is ± 0.2 unless otherwise noted.
3. Specifications are subject to change without notice.

■ **View Angle:**



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

Items	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =20mA	1.9	2.0	2.1	V
Reverse Current	I _R	V _R =5V	---	---	5	μ A
Dominant Wavelength	λ _d	I _F =20mA	600	605	610	nm
Luminous Intensity	I _v	I _F =20mA	400	450	500	mcd
View Angle	2θ 1/2	I _F =20mA	---	120	---	Deg

■ Absolute Maximum Ratings (Ta = 25°C)

Items	Symbol	Absolute maximum Rating	Unit
Power Dissipation	P _D	120	mW
Forward Current(DC)	I _F	30	mA
Peak Forward Current	I _{Fp}	120	mA
Reverse Voltage	V _R	5	V
Operation Temperature	T _{opr}	- 40~ + 85	°C
Storage Temperature	T _{stg}	- 40~ + 85	°C

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

■ Typical Electrical/Optical Characteristics Curves:

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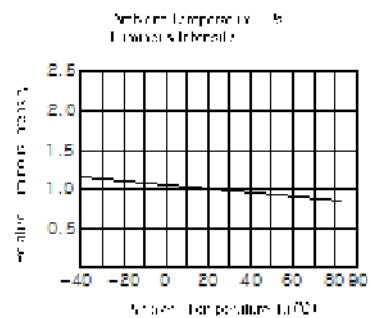
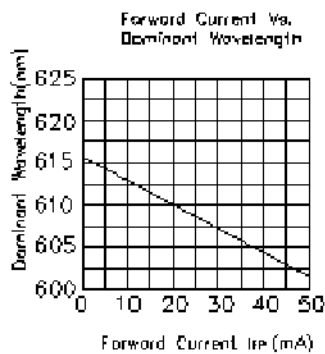
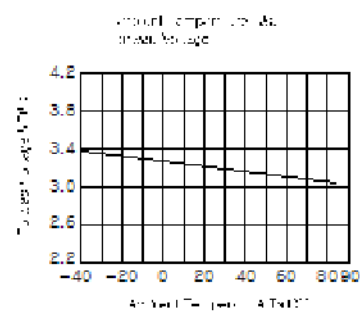
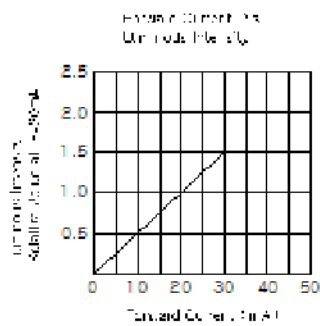
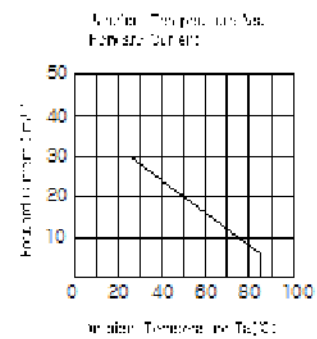
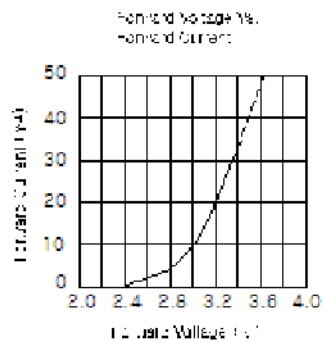
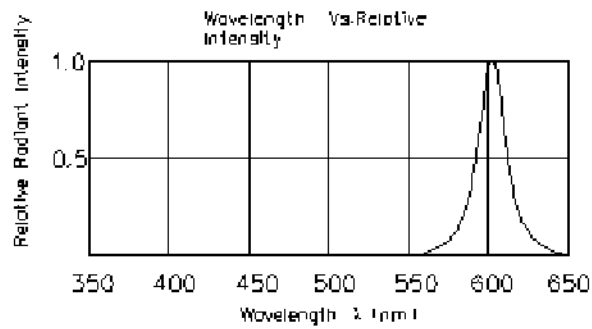
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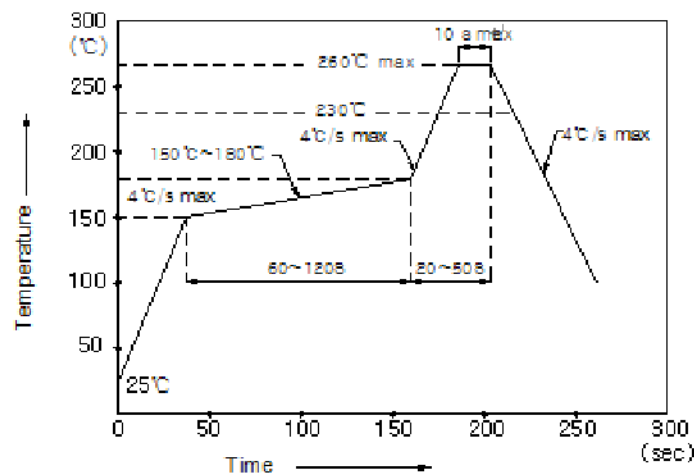


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Classification [Ⓟ]	Test Item [Ⓟ]	Test Conditions [Ⓟ]	Duration [Ⓟ]	Units Tested [Ⓟ]	Number of Damaged [Ⓟ]
Life Test [Ⓟ]	Operating Life Test [Ⓟ]	Ta = 25°C ± 5°C, [Ⓟ] RH = 55 ± 20%RH, [Ⓟ] IF = 30mA [Ⓟ]	1000hrs [Ⓟ]	22 [Ⓟ]	0/22 [Ⓟ]
Environment [Ⓟ] Test [Ⓟ]	High Temperature Storage [Ⓟ]	Ta = 100°C ± 10°C [Ⓟ]	1000hrs [Ⓟ]	22 [Ⓟ]	0/22 [Ⓟ]
	Low Temperature Storage [Ⓟ]	Ta = -40°C ⁺⁵ / ₋₃ °C [Ⓟ]	1000hrs [Ⓟ]	22 [Ⓟ]	0/22 [Ⓟ]
	Temp & Humidity Storage [Ⓟ]	Ta = 85°C ⁺⁵ / ₋₃ °C [Ⓟ] RH = 85 ⁺⁴ / ₋₁₀ %RH [Ⓟ]	1000hrs [Ⓟ]	22 [Ⓟ]	0/22 [Ⓟ]
	Thermal Shock Test [Ⓟ]	Ta = -40°C ⁺⁵ / ₋₃ °C ~ [Ⓟ] 100°C ⁺⁵ / ₋₃ °C [Ⓟ] T = 5min - 5min [Ⓟ]	100 [Ⓟ] Cycles [Ⓟ]	22 [Ⓟ]	0/22 [Ⓟ]
	Temperature Cycling Test [Ⓟ]	Ta = -40 ⁺⁵ / ₋₃ °C ~ 25°C ~ [Ⓟ] 100 ⁺⁵ / ₋₃ °C ~ 25°C [Ⓟ] T = 30min - 5min - 30min - 5min [Ⓟ]	10Cycles [Ⓟ]	22 [Ⓟ]	0/22 [Ⓟ]

■ Reliability Test :[Ⓟ]

Reflow Soldering Profile For Lead-free SMT Process.

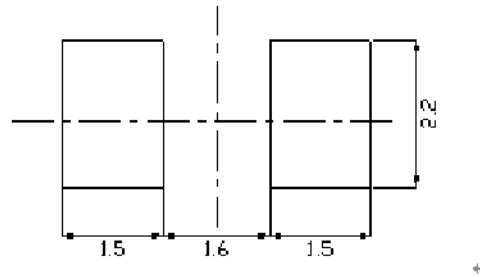


NOTES:

1. We recommend the reflow temperature 245°C (+/-5°C). The maximum soldering temperature should be limited to 260°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)



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■ **Tape Specifications:**

(Units: mm)

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