

PRODUCT SPECIFICATION

Customer : _____

Part No : XY-3528-3-01-HRC

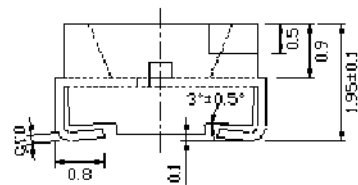
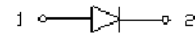
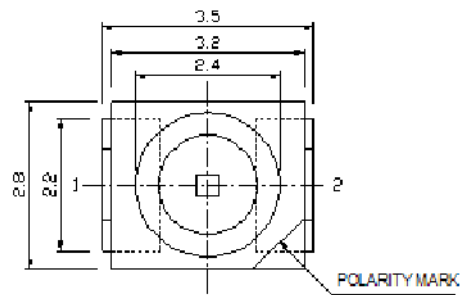
Developed No : _____

Date : _____

CUSTOMER APPROVED BY

APPROVED	Q.C.	R&D

■ **Outline Dimension:**

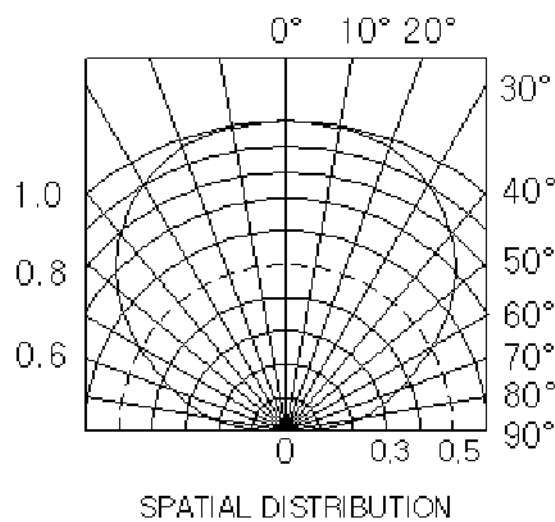


Notes:

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	μA
Dominant Wavelength	λ _d	I _F =20mA	625	627	630	nm
Luminous Intensity	I _v	I _F =20mA	570	600	680	mcd
View Angle	2θ 1/2	I _F =20mA	---	120	---	Deg

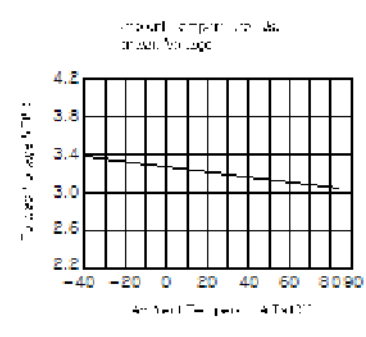
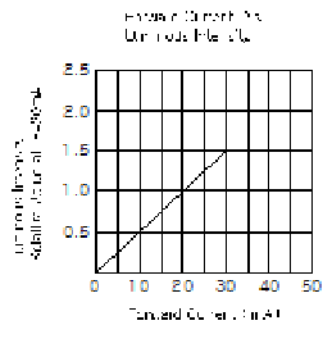
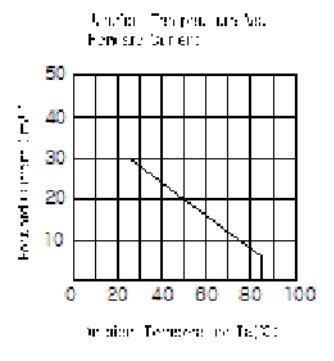
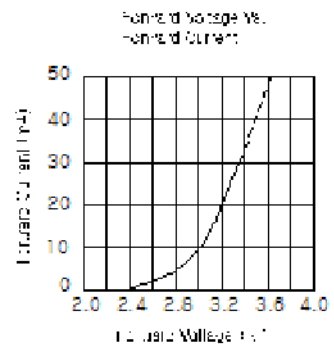
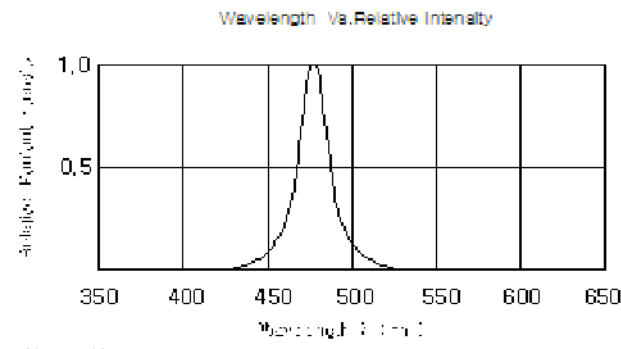
■ Absolute Maximum Ratings (Ta = 25°C)

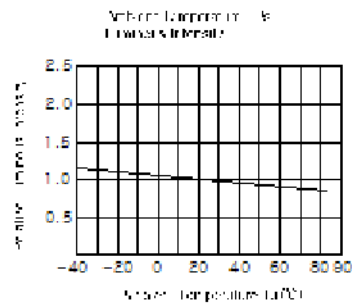
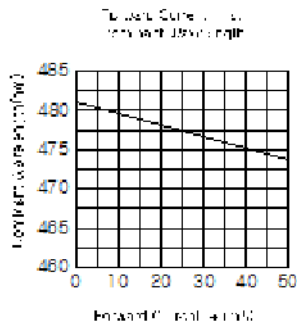
Items	Symbol	Absolute maximum Rating	Unit
Power Dissipation	P _D	120	mW
Forward Current(DC)	I _F	30	mA
Peak Forward Current	I _{Fp}	120	mA
Reverse Voltage	V _R	5	V
Operation Temperature	T _{opr}	- 40~ + 85	℃
Storage Temperature	T _{stg}	- 40~ + 85	℃

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

■ Typical Electrical/Optical Characteristics Curves:

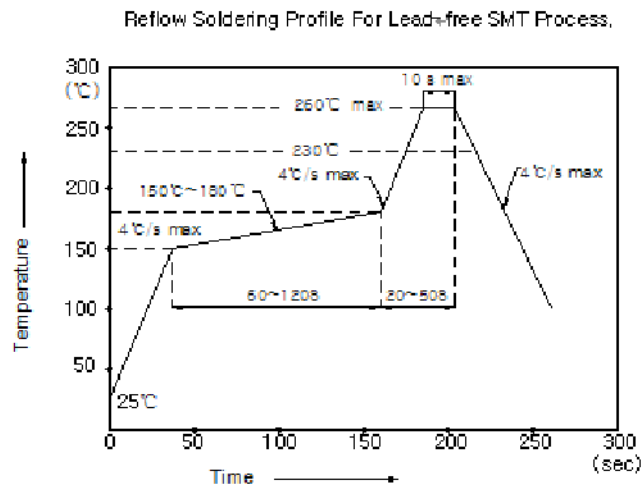
t
t
t
t
t
t
t
t
t
t
t
t





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 ^{+3/-5} °C [Ⓢ]	1000hrs [Ⓢ]	22 [Ⓢ]	0/22 [Ⓢ]
	Temp & Humidity Storage [Ⓢ]	Ta=85°C ^{+3/-5} °C [Ⓢ] RH=85 ^{+5/-10} %RH [Ⓢ]	1000hrs [Ⓢ]	22 [Ⓢ]	0/22 [Ⓢ]
	Thermal Shock Test [Ⓢ]	Ta=-40°C ^{+3/-5} °C~ [Ⓢ] 100°C ^{+3/-5} °C [Ⓢ] T=5min-5min [Ⓢ]	100 [Ⓢ] Cycles [Ⓢ]	22 [Ⓢ]	0/22 [Ⓢ]
	Temperature Cycling Test [Ⓢ]	Ta=-40 ^{+3/-5} °C~25°C~ [Ⓢ] 100 ^{+3/-5} °C~25°C [Ⓢ] T=30min-5min-30min- 5min [Ⓢ]	10Cycles [Ⓢ]	22 [Ⓢ]	0/22 [Ⓢ]

Reliability Test :-

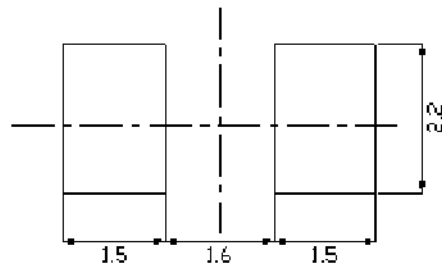


NOTES:

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)



↑

■ **Tape Specifications:**

(Units: mm)

