

PRODUCT SPECIFICATION

Model No.: FYL-3014SUYD1A

Descriptions:
■ Dice material: GaP
■ Emitting Color: Super bright Yellow.
■ Device Outline: Φ3mm Standard Round type..
■ Lens Type: Yellow diffused



005



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

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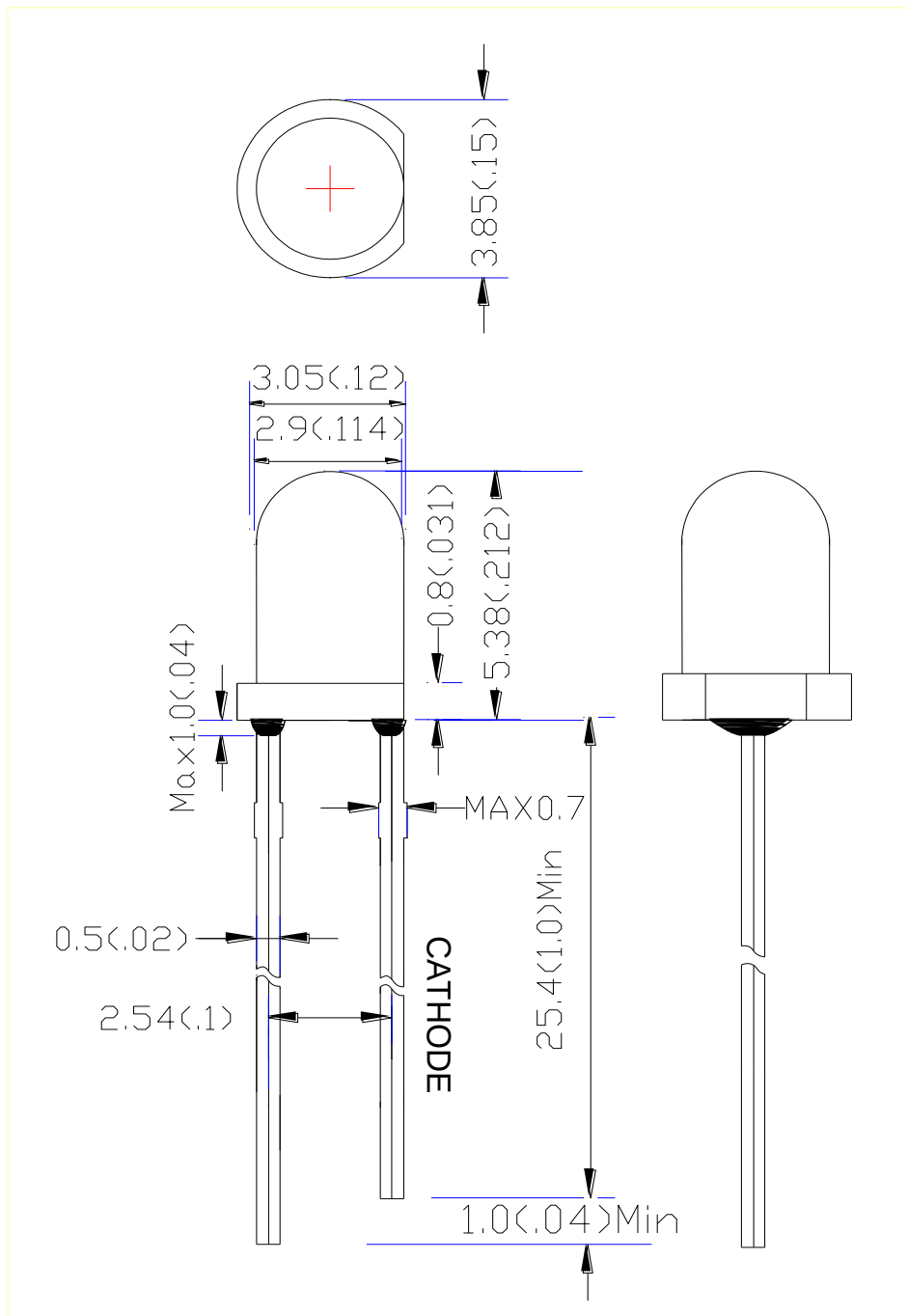
Page: 1/5

Model No.: FYL-3014SUYD1A

■ Features

1. Low power consumption.
2. High efficiency.
3. General purpose leads.
4. High intensity.
5. RoHs compliant.

■ Package configuration



Notes:

1. All dimensions are millimeters (inches)
2. Tolerance is $\pm 0.25\text{mm}$ (0.010") unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

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■ Absolute Maximun Ratings(Ta=25° C)

Parameter	MAX.	Unit
Power Dissipation	50	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +85°C	
Storage Temperature Range	-40°C to +100°C	
Lead Soldering Temperature[4mm(.157") From Body]	260°C for 5 Seconds	

■ Typical Electrical &Optical Charcteristics(Ta=25°C)

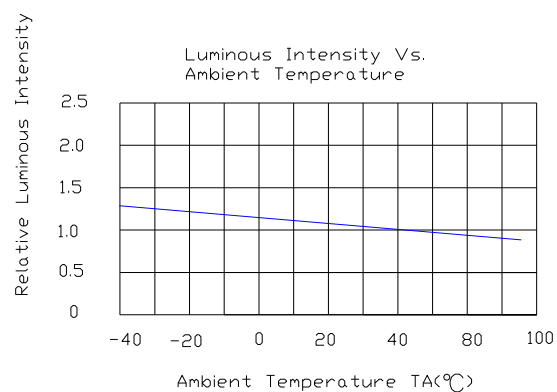
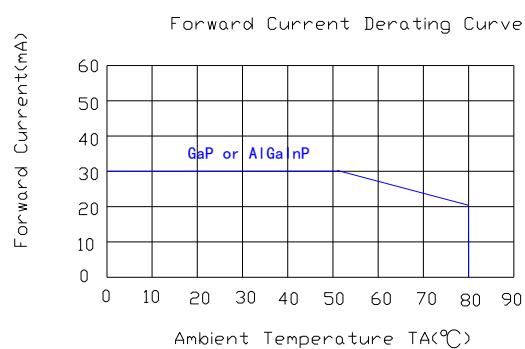
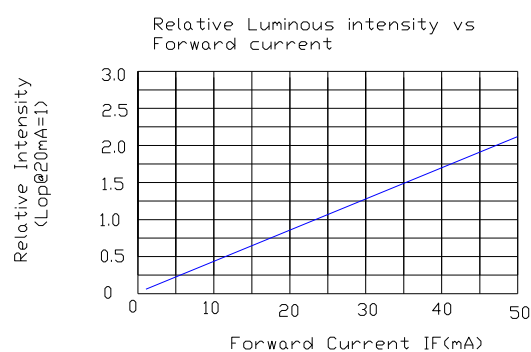
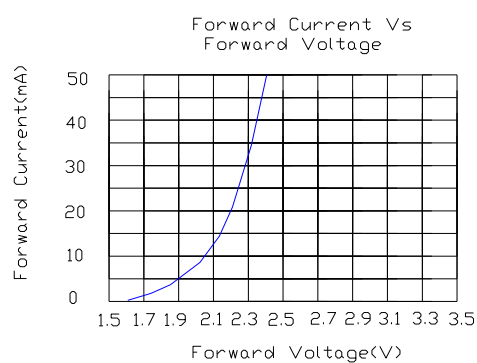
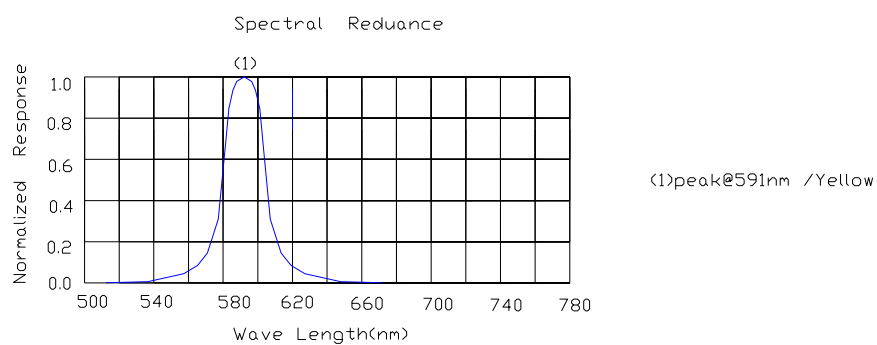
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	–	1200	–	mcd	IF=20mA
Viewing Angle	$2\theta_{1/2}$	–	40	–	Deg	
Peak Emission Wavelength	λ_p	–	590	–	nm	
Dominant Wavelength	λ_d	585	590	595	nm	
Spectral Line Half-Width	$\Delta\lambda$	–	15	–	nm	
Forward Voltage	V_F	1.8	2	2.3	V	VR=5V
Reverse Current	I_R			10	μA	

Note:

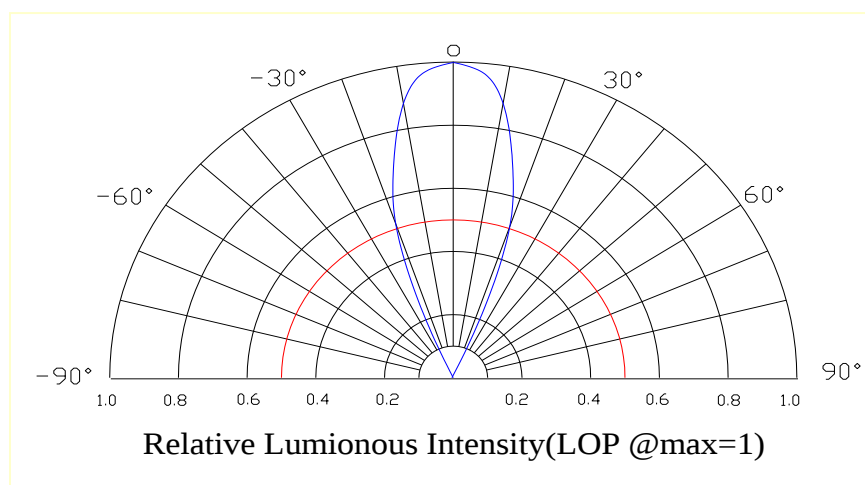
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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■ Typical Eletrical/Optical Characteristics Curves(Ta=25° C Unless Otherwise Noted)

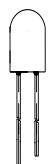


Radiation pattern.

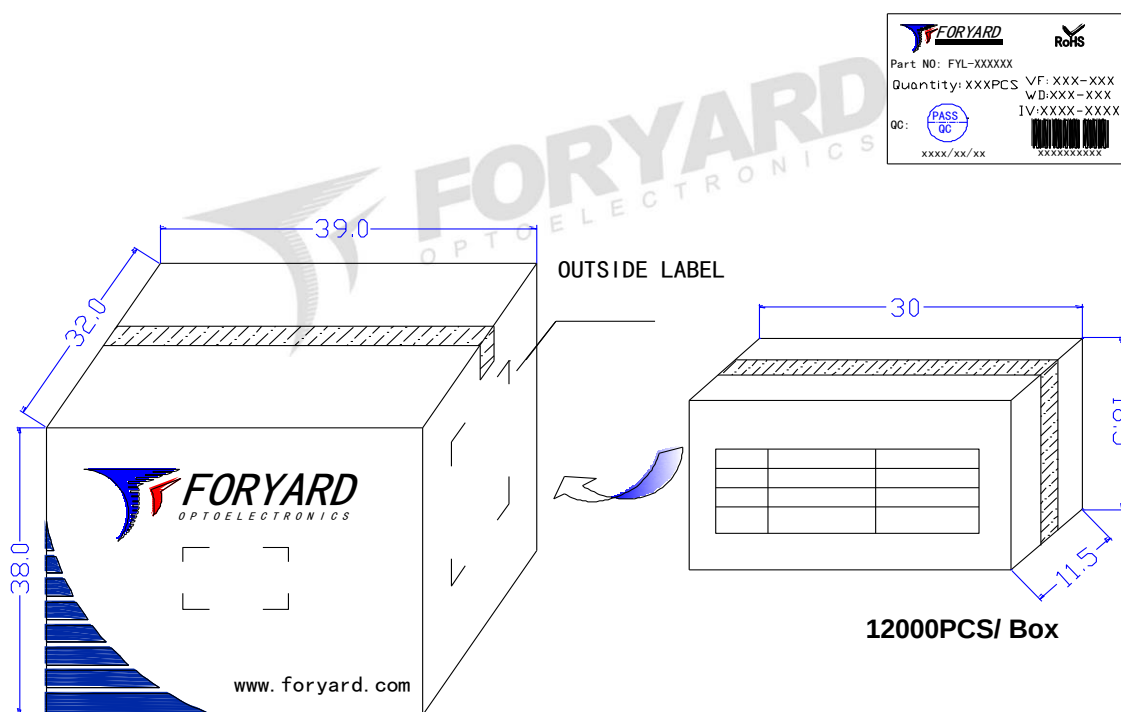
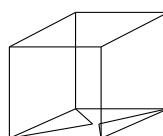
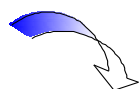


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■ LAMP PACKING.



3mm 1000PCS/Polybag



72000PCS/ Carton



OUTSIDE LABEL

Note: The specifications are subject to change without notice. Please contact us for updated information.