



PRODUCT SPECIFICATION

Model No.: FYL-3014SURC1A-TR13

Descriptions:
<ul style="list-style-type: none"> ■ Dice material: AlGaInP. ■ Emitting Color: Super bright Red. ■ Device Outline: Φ3mm Round type. ■ Lens Type: Water clear.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	SALES BY	PREPARED BY
			

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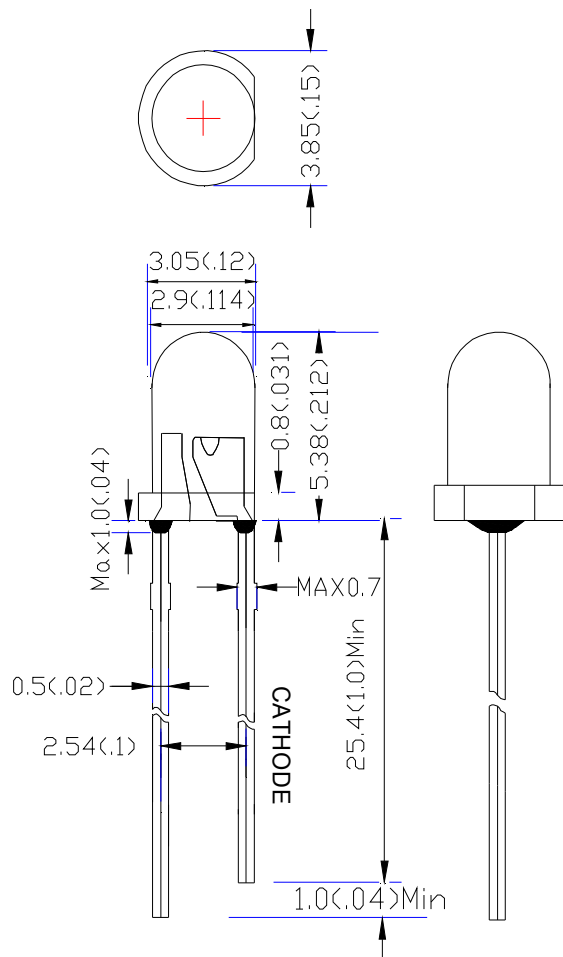
[Http://www.foryard.com](http://www.foryard.com)

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■ **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 with prior notice.

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■ Absolute Maximun Ratings(Ta=25°C)

Parameter	MAX.	Unit
Power Dissipation	75	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)

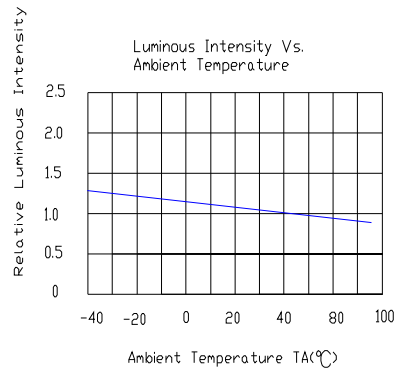
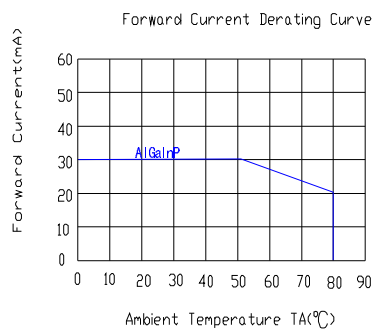
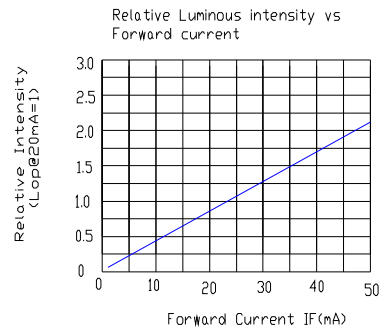
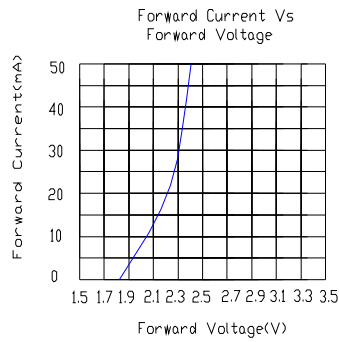
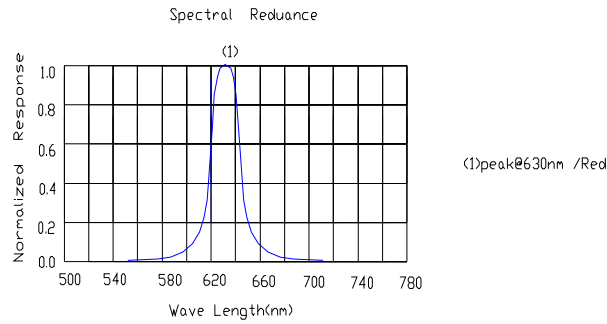
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_V	1800	2200		mcd	IF=20mA
Viewing Angle	$2\theta_{1/2}$	-	30	-	Deg	
Peak Emission Wavelength	λ_p	-	630	-	nm	
Dominant Wavelength	λ_d	618	621	627	nm	
Spectral Line Half-Width	$\Delta\lambda$	-	15	-	nm	
Forward Voltage	V_F	1.8	2	2.3	V	VR=5V
Reverse Current	I_R	-	-	10	μA	

Note:

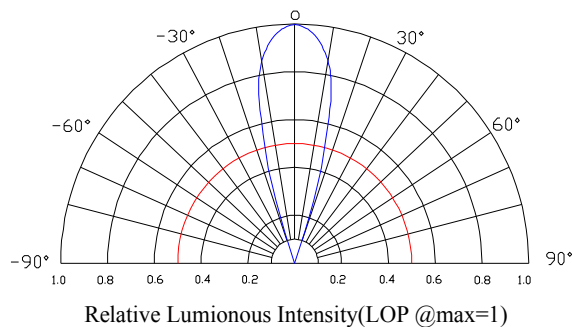
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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

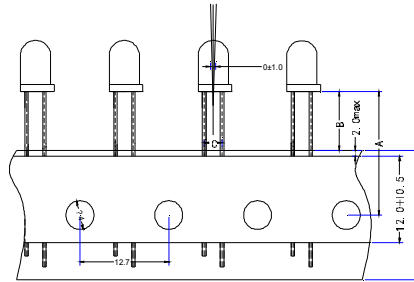


Radiation pattern.

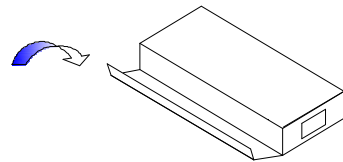
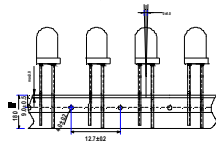


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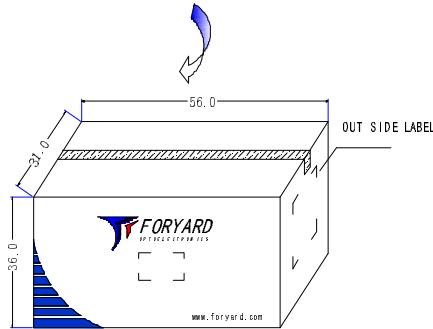
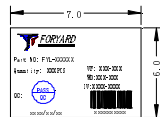
■ LAMP PACKING.



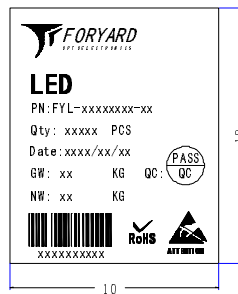
A:22.0mm±0.5mm, B:13.0±0.5mm, C:2.54mm±0.05mm



2000PCS/Box



12 boxes/carton



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