

PRODUCT SPECIFICATION

Model No.: FYL-3014HD1

Descriptions:
■ Dice material: GaP ■ Emitting Color: Hi Red ■ Device Outline: Φ3mm Round type. ■ Lens Type: Red diffused.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	SALES BY	PREPARED BY
			

NINGBO FORYARD OPTOELECTRONICS CO.,LTD

Add:No. 666 Jinghua Road, Hi-tech Park, Ningbo, Zhejiang, China

Zip:315103

Tel: 0086-574-87933652 87927870 87922206

Fax: 0086-574-87927917

E-mail:Sales@foryard.com (General)

Http://www.foryard.com

Http://www.foryard.com

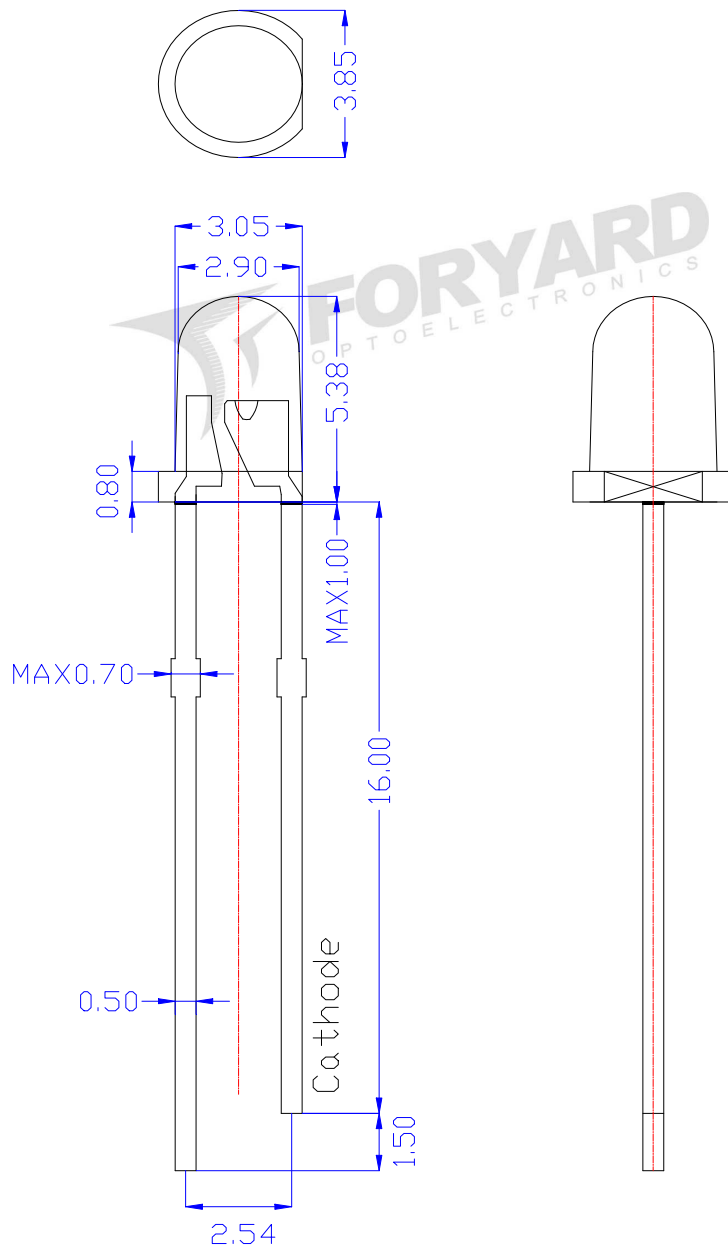
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■ ⑤ Features

- 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 $\pm 0.25\text{mm}$ (.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 Maximum 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)

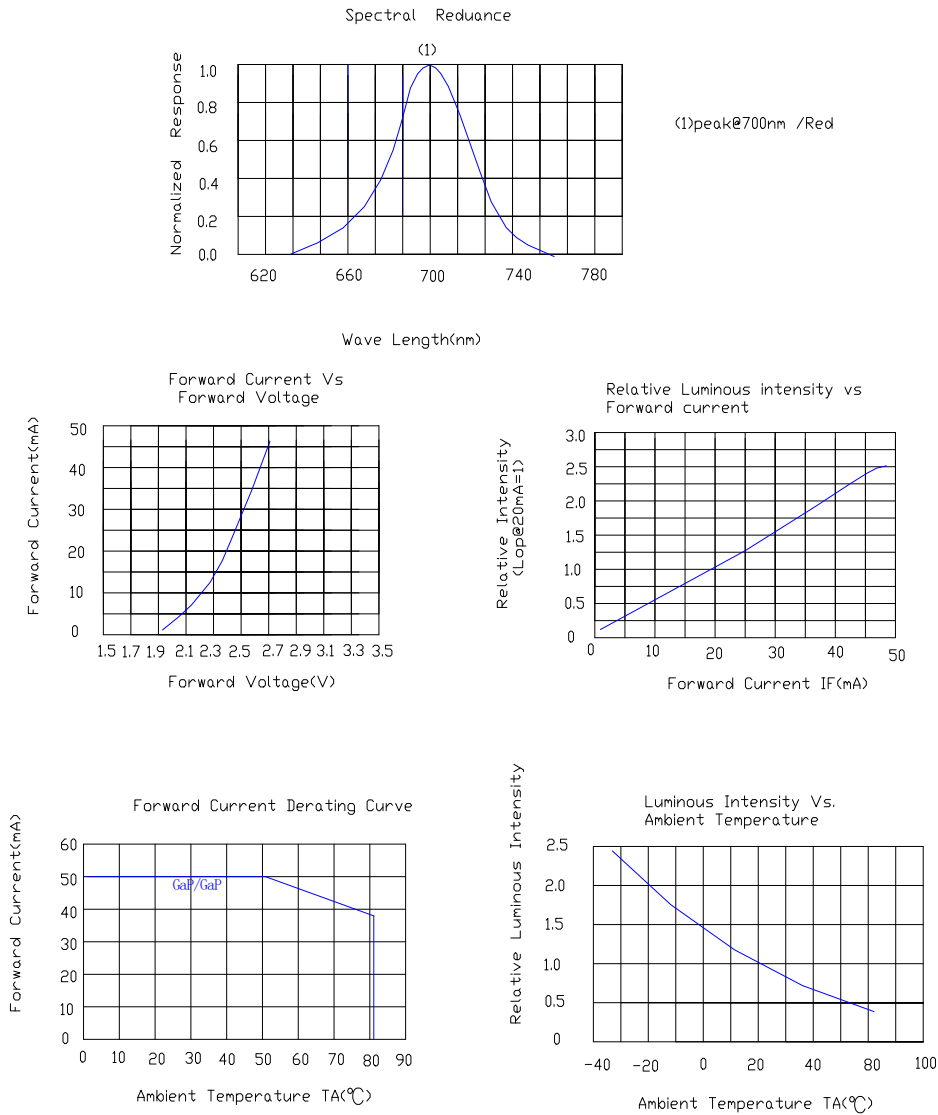
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	—	8	—	mcd	IF=20mA
Viewing Angle	$2\theta_{1/2}$	—	35	—	Deg	
Peak Emission Wavelength	λ_p	—	700	—	nm	
Dominant Wavelength	λ_d	655	660	700	nm	
Spectral Line Half-Width	$\Delta\lambda$	—	90	—	nm	
Forward Voltage	V_F	1.8	2.2	2.6	V	VR=5V
Reverse Current	I_R			10	μA	

Note:

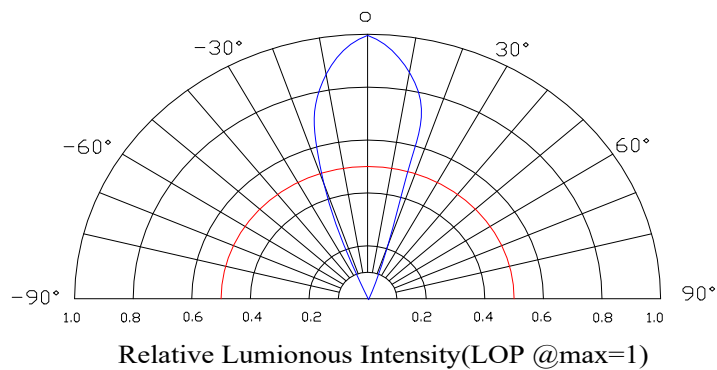
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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

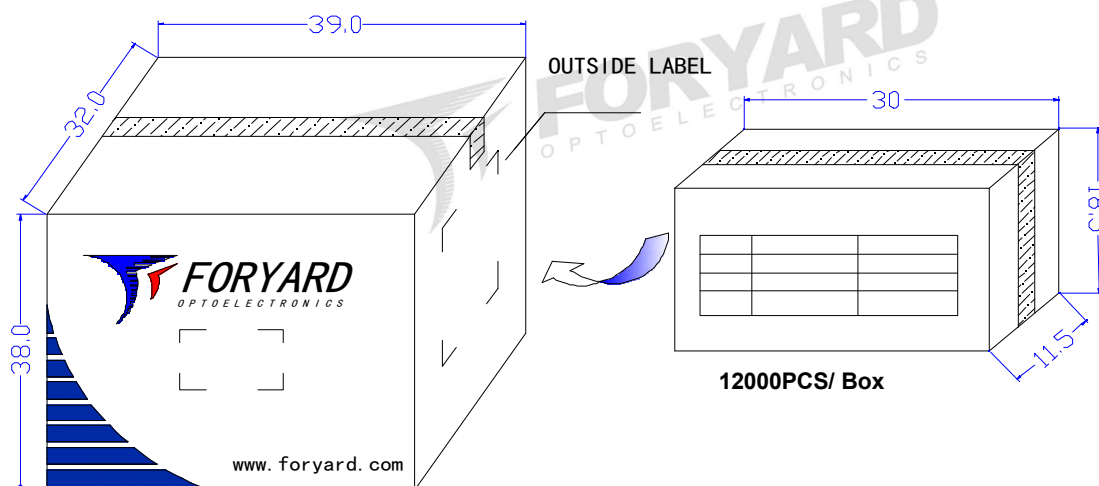
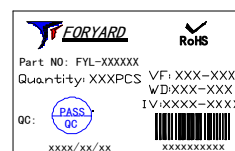
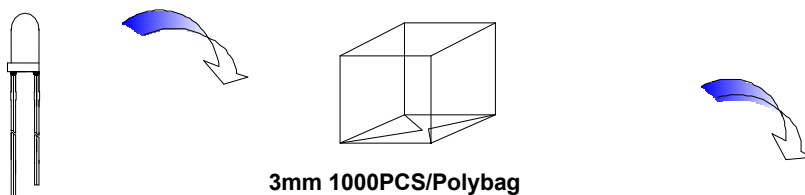


Radiation pattern.



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⑤ ■ LAMP PACKING.



OUTSIDE LABEL

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

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