

PRODUCT SPECIFICATION

Model No.: FYL-3014IRBC1A

Descriptions:
<ul style="list-style-type: none"> ■ Dice material: AlGaAs. ■ Emitting Color: Infrared. ■ Device Outline: Φ3mm round type. ■ Lens Type: Water clear.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

NINGBO FORYARD OPTOELECTRONICS CO.,LTD.

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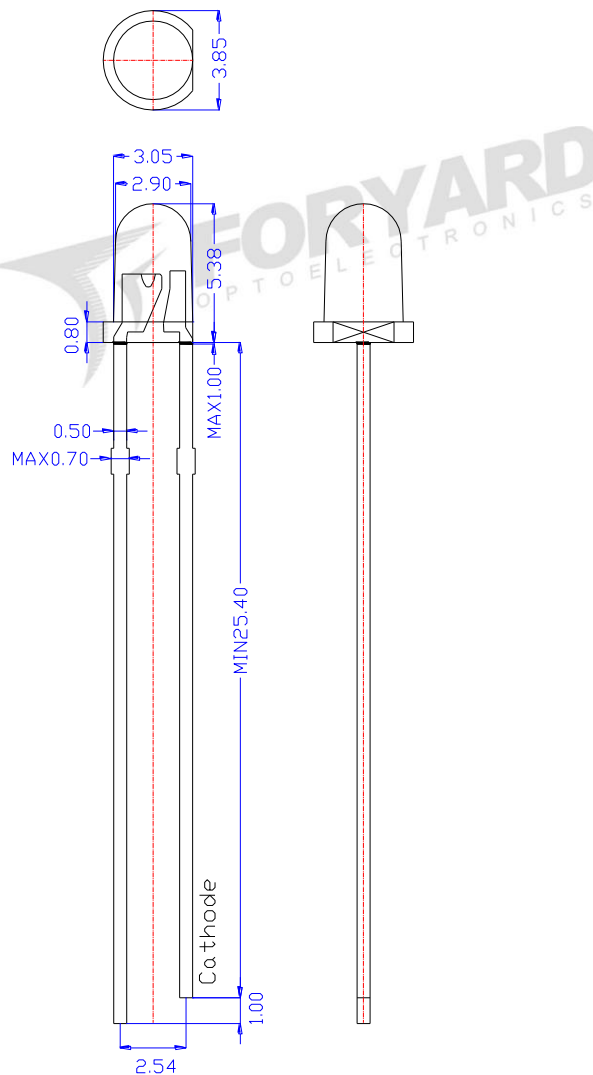
E-mail:Sales@foryard.com (General)

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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 $\pm 0.25\text{mm} (.010\text{'})$ unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.
- 4.The drawing is different from the actual one, please refer to the sample.

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■ Absolute Maximun Ratings(Ta=25°C)

Parameter	Symbol	MAX.	Test Condition	Unit
Power Dissipation	Pd	100	---	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFM	600	Duty=0.01ms 1khz	mA
Reverse Voltage	VR	9	IR=10UA	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)

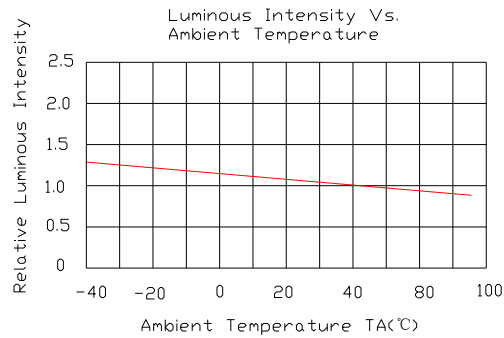
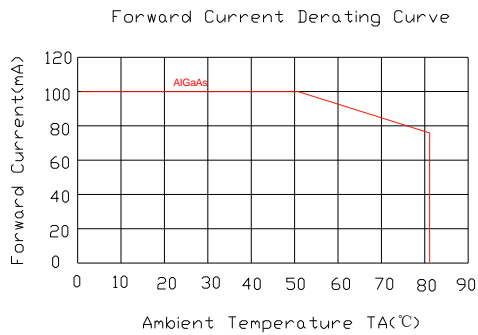
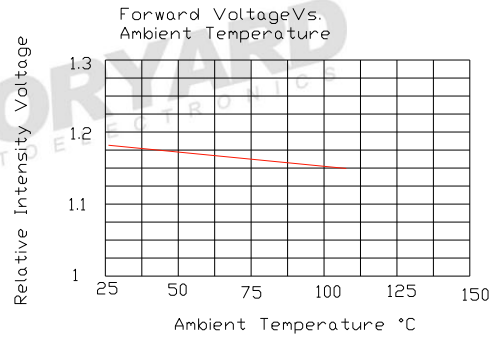
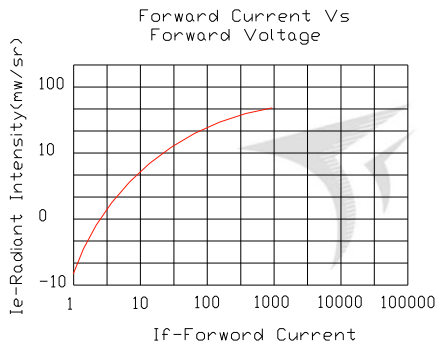
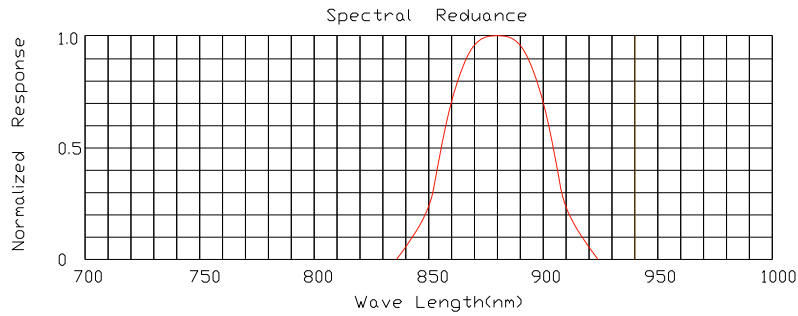
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Radiant Intensity	Ee	10	20	---	mW/sr	IF=50mA
Viewing Angle	$2\theta_{1/2}$	---	40	---	Deg	
Peak Emission Wavelength	λ_p	---	880	---	nm	
Spectral Line Half-Width	$\Delta\lambda$	40	45	50	nm	
Forward Voltage	V_F	---	1.5	1.7	V	VR=5V
Reverse Current	I_R	---	---	10	μA	

Note:

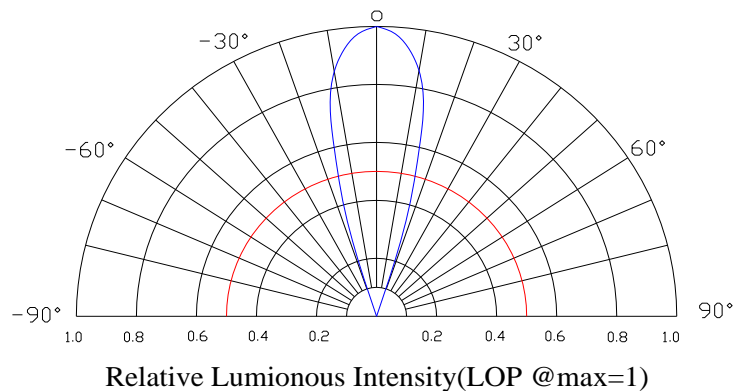
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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



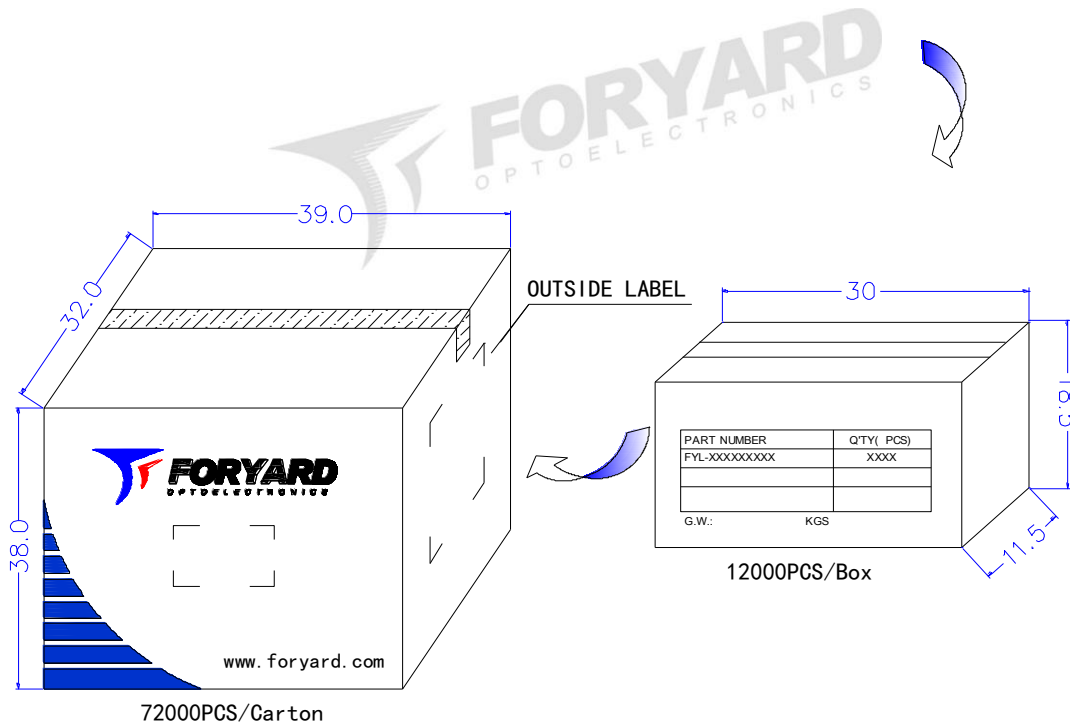
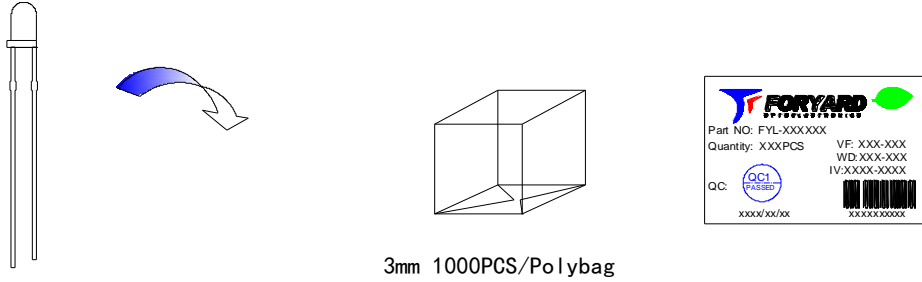

Radiation pattern




Model No.	FYL-3014IRBC1A
Date / Rev.	2021.05.31 / B

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LAMP PACKING.

LED
 PN: FYL-XXXXXXXXXX
 Qty: XXXXX PCS
 Date: XXXX/XX/XX
 GW: XX.XX KG
 NW: XX.XX KG



XXXXXXXXXX

OUTSIDE LABEL

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