

# PRODUCT SPECIFICATION

**Model No.: FYL-25A3HD1B**

Descriptions:
<ul style="list-style-type: none"> <li>■ Dice material: GaP.</li> <li>■ Emitting Color: Red.</li> <li>■ Device Outline: 2*5mm square type.</li> <li>■ Lens Type: Red Diffused.</li> </ul>



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

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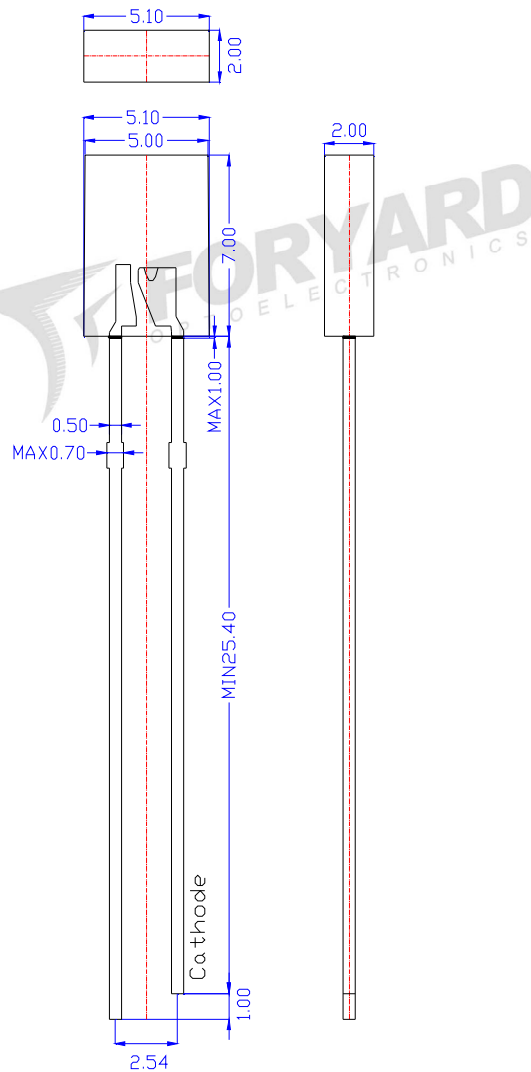
**E-mail:**Sales@foryard.com (General)

Model No.: FYL-25A3HD1B

## ■ 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.
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	MAX.	Unit
Power Dissipation	40	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	50	mA
Continuous Forward Current	15	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)

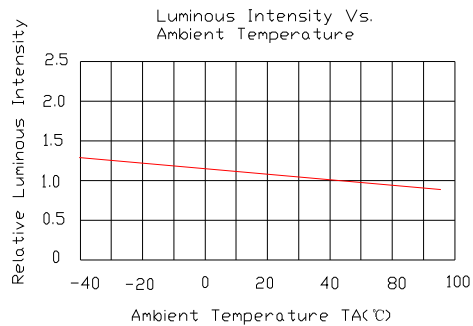
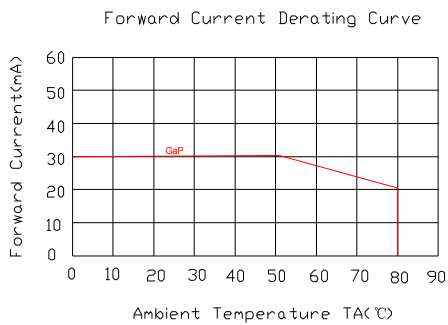
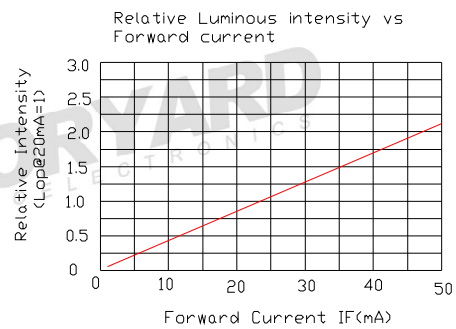
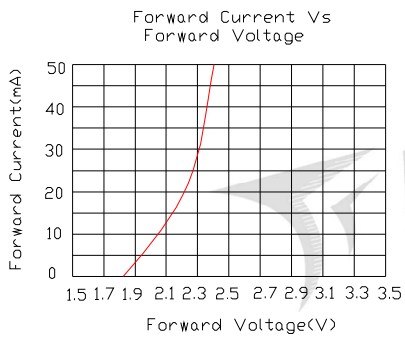
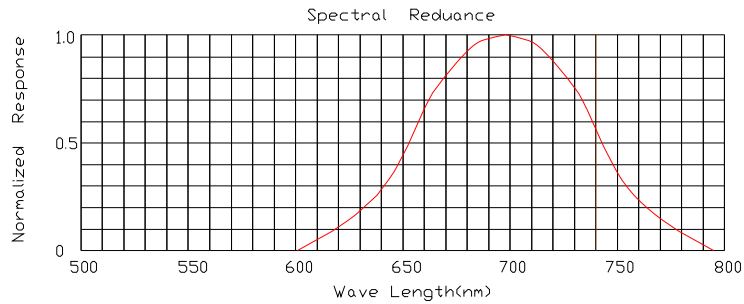
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	$I_v$	1	4	9	mcd	IF=20mA
Viewing Angle	$2\theta_{1/2}$	---	130	---	Deg	
Peak Emission Wavelength	$\lambda_p$	---	700	--	nm	
Dominant Wavelength	$\lambda_d$	---	660	---	nm	
Spectral Line Half-Width	$\Delta\lambda$	---	90	--	nm	
Forward Voltage	$V_F$	1.8	2.1	2.4	V	VR=5V
Reverse Current	$I_R$	---	---	10	$\mu A$	

Note:

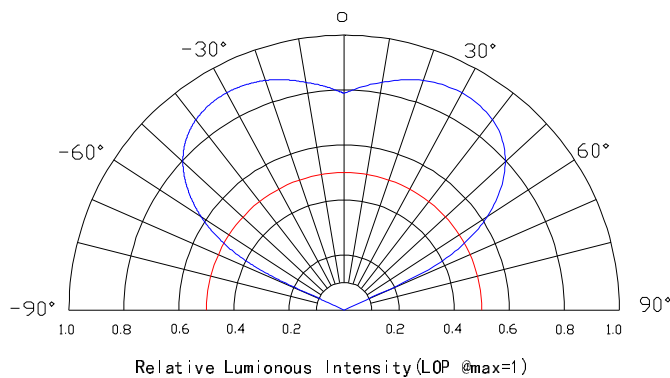
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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

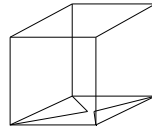
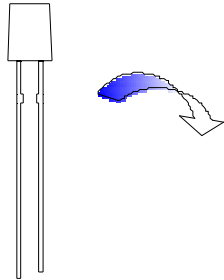


■ Radiation pattern

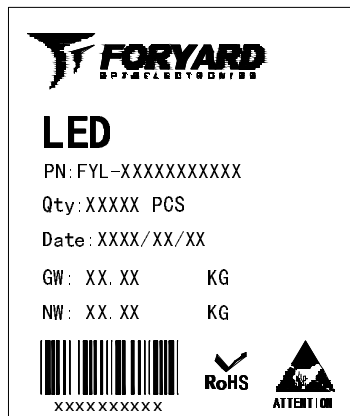
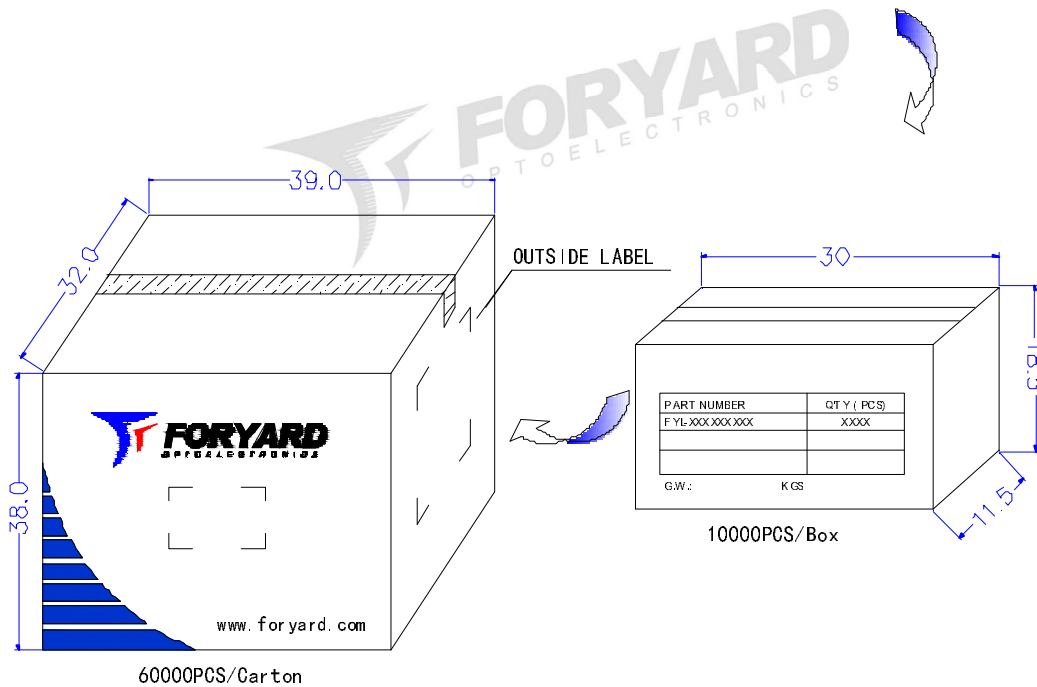


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■ LAMP PACKING.



2\*5mm 1000PCS/Polybag



OUTSIDE LABEL

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