

PRODUCT SPECIFICATION

Model No.: FYL-3019URUBW1A-CA

Descriptions:
■ Dice material: AlGaInP/InGaN
■ Emitting Color: Red/Blue
■ Device Outline: Φ3mm round type.
■ Lens Type: White diffused.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

NINGBO FORYARD OPTOELECTRONICS CO.,LTD.

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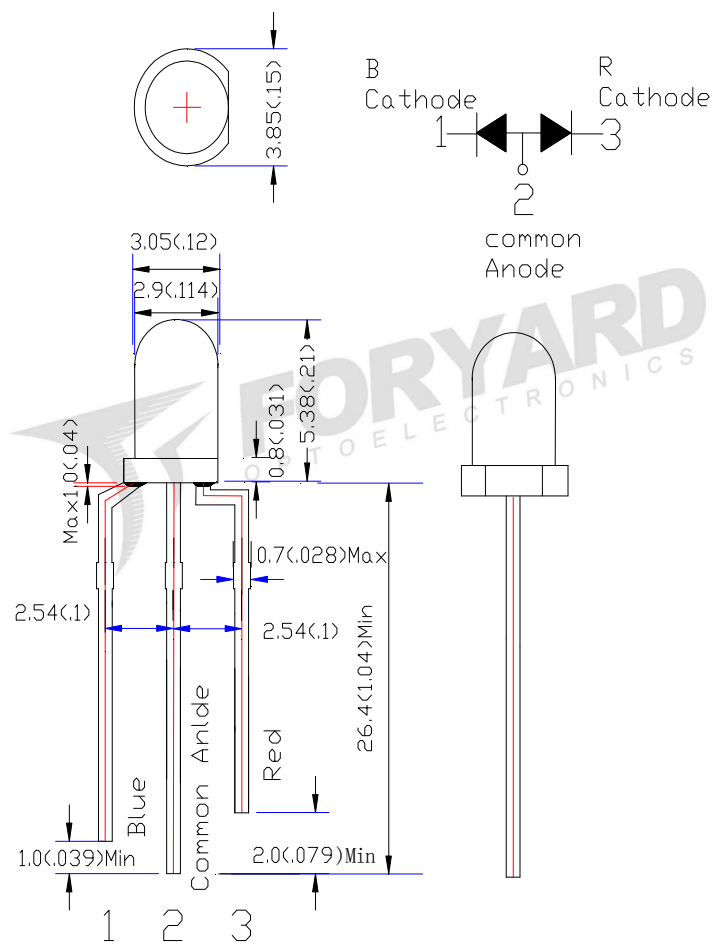
E-mail: Sales@foryard.com (General)

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

■ Features

1. Low power consumption.
2. High efficiency.
3. General purpose leads.
4. 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.

■ Absolute maximum ratings($T_a=25\text{ }^{\circ}\text{C}$)

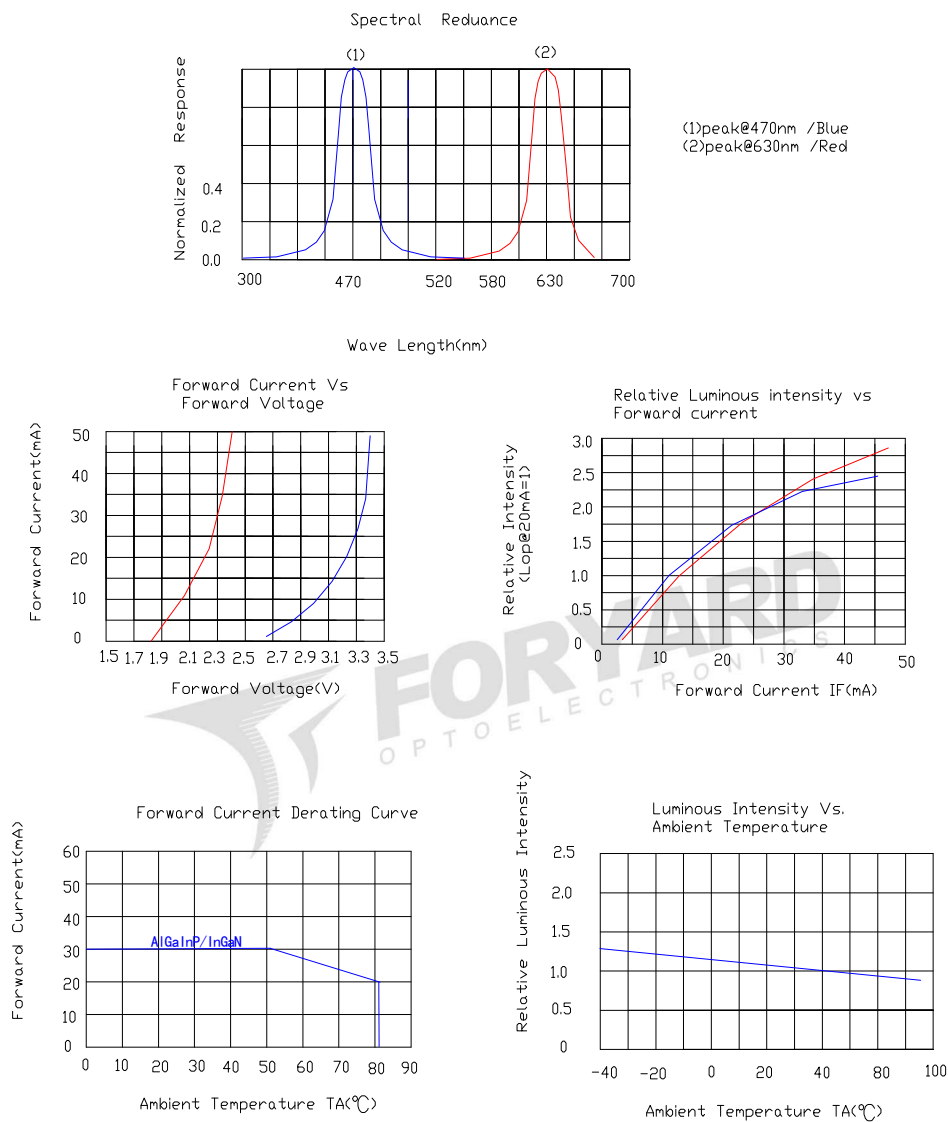
Parameter	MAX.	Unit
Power Dissipation	UR 75	mW
	UB 100	
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +85°C	
Storage Temperature Range	-40°C to +100°C	
Lead Soldering Temperature[4mm(.157") From Body]	260°C for 5 Seconds	

■ Electrical and optical characteristics($T_a=25\text{ }^{\circ}\text{C}$)

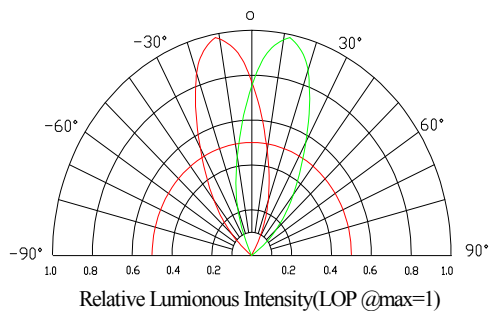
Parameter	Symbol		Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v	UR	—	1300	—	mcd	I _F =20mA
		UB		1400			
Viewing Angle	2θ _{1/2}	UR	—	30	—	Deg	
		UB		30			
Peak Emission Wavelength	λ _p	UR		630		nm	
		UB		470			
Dominant Wavelength	λ _d	UR	620	625	630	nm	
		UB	464	468	474		
Spectral Line Half-Width	Δλ	UR		15		nm	
		UB		30			
Forward Voltage	V _F	UR	1.7	2.0	2.4	V	
		UB	2.8	3.2	3.4		
Reverse Current	I _R				10	μA	V _R =5V

■ Typical Electrical Characteristics Curves

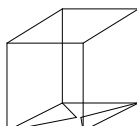
(25 °c Ambient Temperature Unless Otherwise Noted)



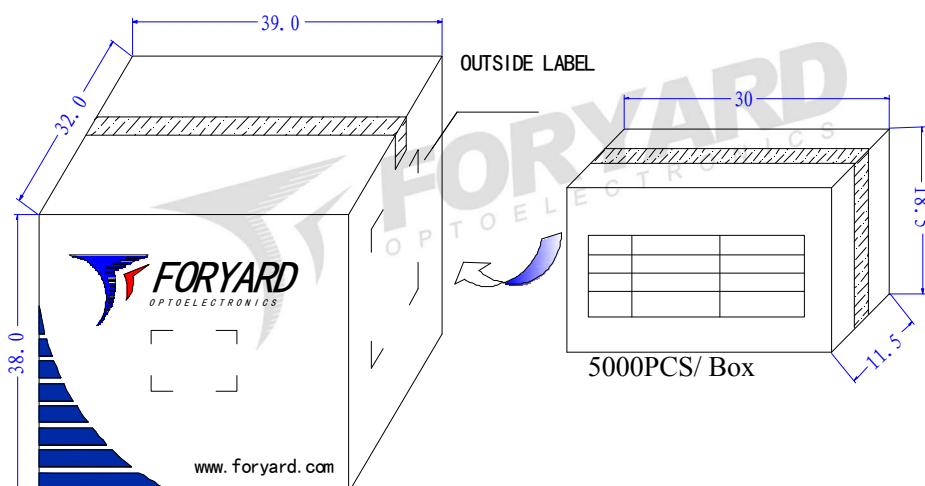
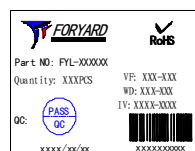
Radiation pattern.



■ LAMP PACKING.



5mm 500PCS/Polybag



30000PCS/ Carton



OUTSIDE LABEL