

PRODUCT SPECIFICATION

Model No.: FYL-5464PGC1C

Descriptions:
■Dice material: InGaN.
■Emitting Color: Super bright Pure Green.
■Device Outline: $\Phi 5 \times 4$ mm ellipse type.
■Lens Type: Water clear.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

NINGBO FORYARD OPTOELECTRONICS CO.,LTD.

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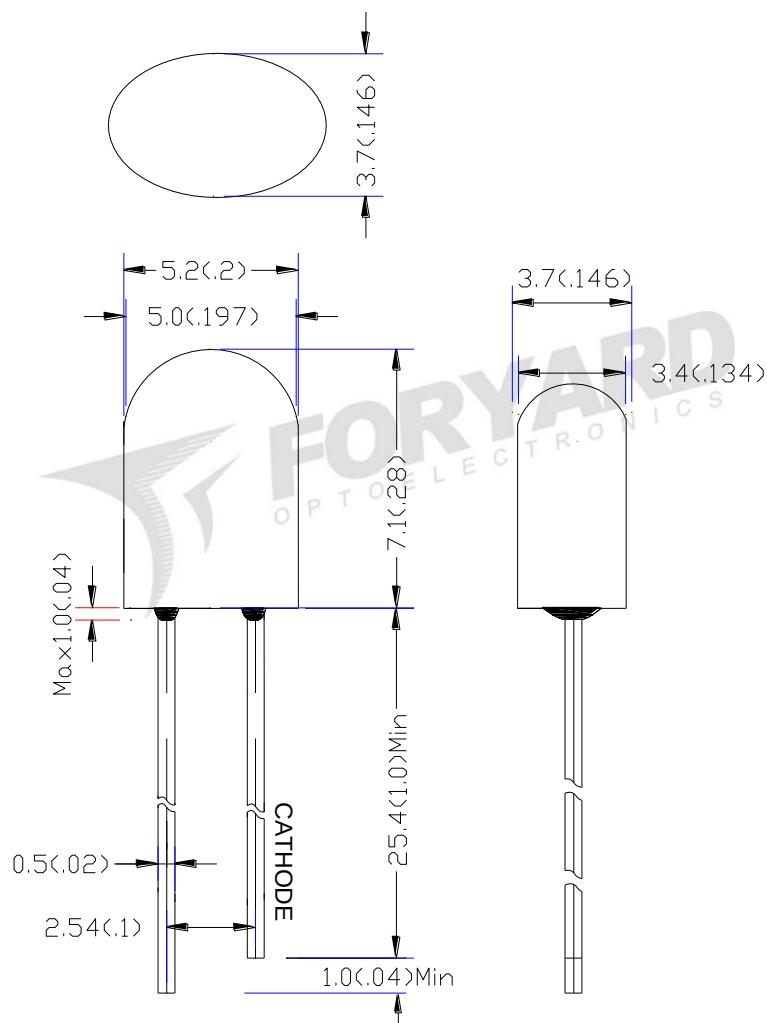
E-mail: Sales@foryard.com (General)

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

■ 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.

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

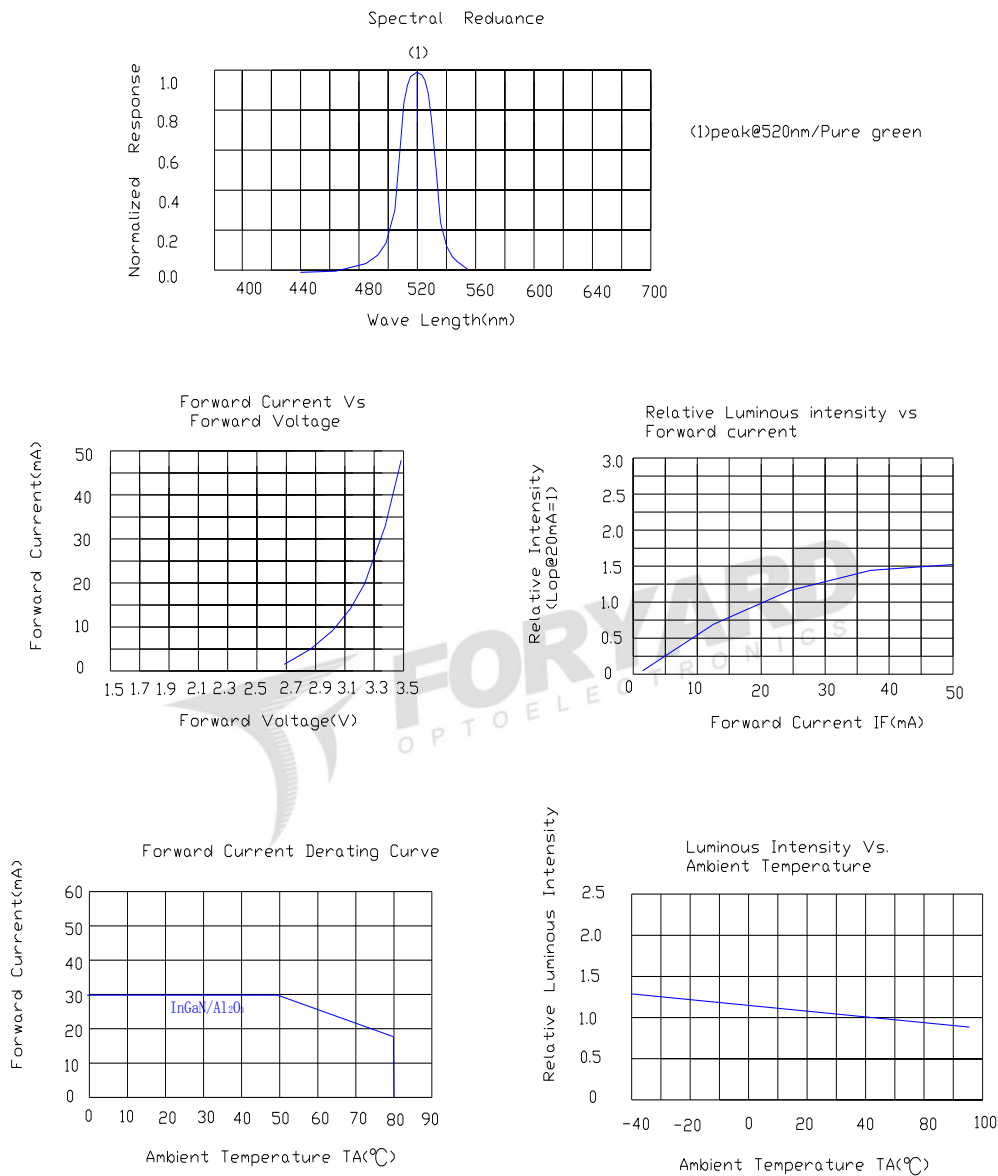
Parameter	MAX.	Unit
Power Dissipation	70	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	20	mA
Derating Linear From 50°C	0.4	mA/ $^{\circ}\text{C}$
Reverse Voltage	5	V
Operating Temperature Range	-40°C to $+85^{\circ}\text{C}$	
Storage Temperature Range	-40°C to $+100^{\circ}\text{C}$	
Lead Soldering Temperature[4mm(.157") From Body]	260 $^{\circ}\text{C}$ for 5 Seconds	

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

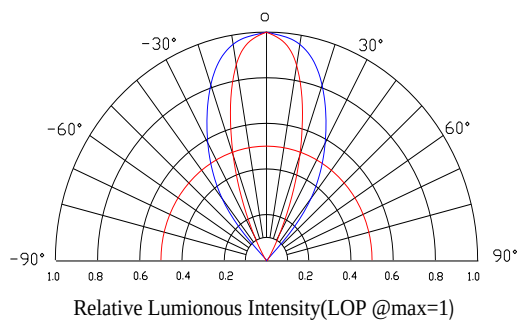
Parameter	Symbol		Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v		3000	4500	—	mcd	I _F =20mA
Viewing Angle	2θ _{1/2}	X	—	70	—	Deg	
		Y	—	40	—		
Peak Emission Wavelength	λ _p		—	520	—	nm	
Dominant Wavelength	λ _d		516	522	527	nm	
Spectral Line Half-Width	Δλ		—	30	—	nm	
Forward Voltage	V _F		2.8	3.0	3.4	V	
Reverse Current	I _R		—	—	10	μA	V _R =5V

■ Typical Electrical Characteristics Curves

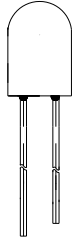
(25 ° c Ambient Temperature Unless Otherwise Noted)



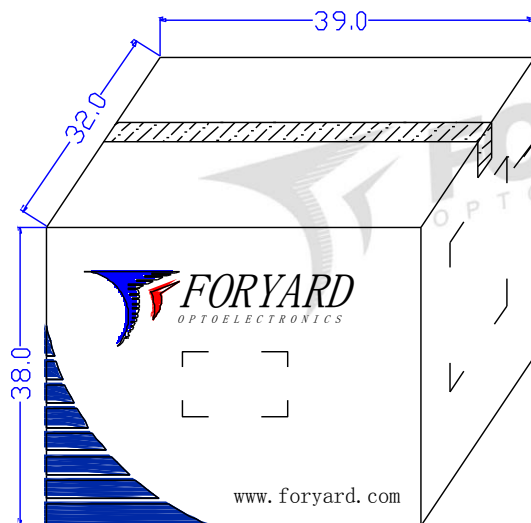
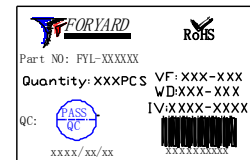
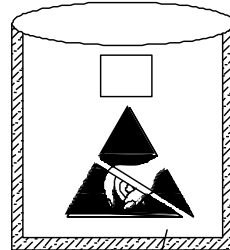
Radiation pattern.



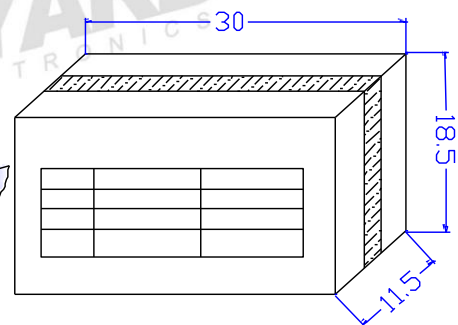
■ LAMP PACKING.



5mm 500PCS/Polybag



OUTSIDE LABEL



8000PCS/Box

48000PCS/Carton

