

PRODUCT SPECIFICATION

Model No.: FYL-5012GD1C

Descriptions:

■ Dice material: GaP

■ Emitting Color: Yellow Green

■ Device Outline: Φ 5mm round type.

■ Lens Type: Green diffused



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

NINGBO FORYARD OPTOELECTRONICS CO.,LTD.

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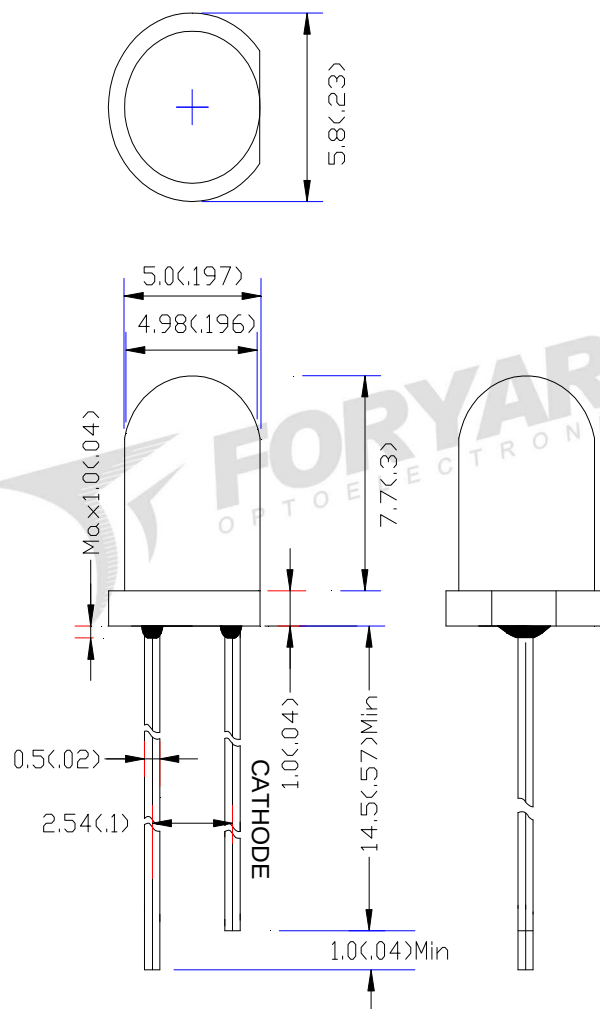
E-mail: Sales@foryard.com (General)

Http: www.foryard.com

■ 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(Ta=25 ° c)

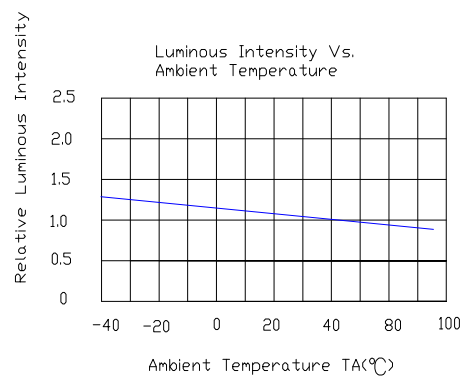
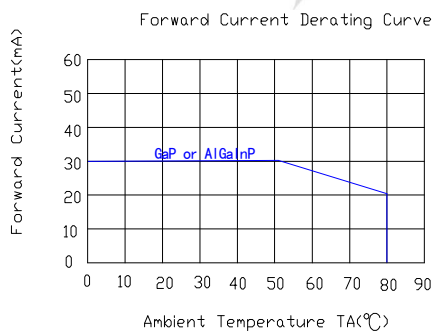
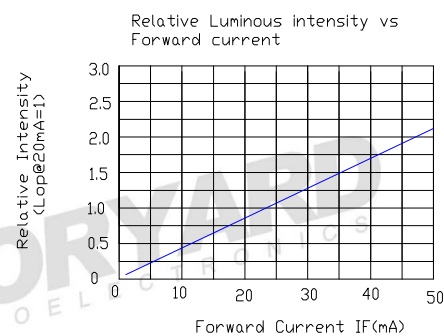
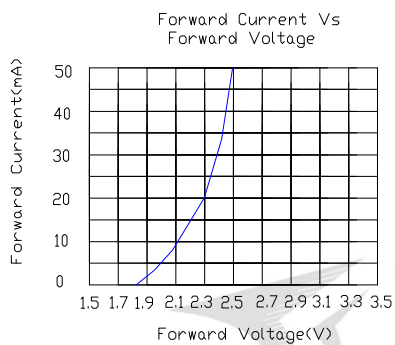
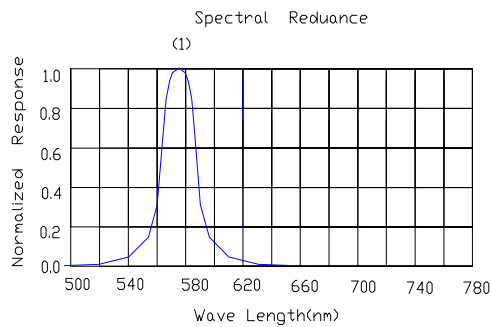
Parameter	MAX.	Unit
Power Dissipation	75	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-20°C to +80°C	
Storage Temperature Range	-30°C to +100°C	
Lead Soldering Temperature[4mm(.157") From Body]	260°C for 5 Seconds	

■ Electrical and optical characteristics(Ta=25 ° c)

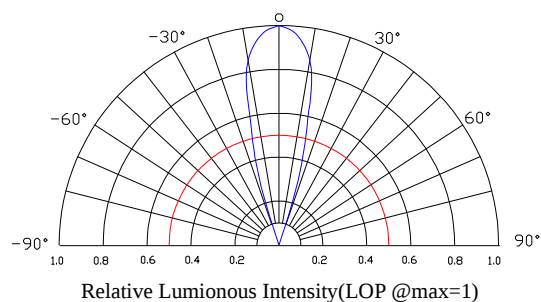
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v	—	40	—	mcd	I _F =20mA
Viewing Angle	2θ _{1/2}	—	30	—	Deg	
Peak Emission Wavelength	λ _p	563	568	573	nm	
Dominant Wavelength	λ _d	565	570	575	nm	
Spectral Line Half-Width	Δλ	—	20	—	nm	
Forward Voltage	V _F	1.8	2.1	2.6	V	V _R =5V
Reverse Current	I _R			10	μA	

■ Typical Electrical Characteristics Curves

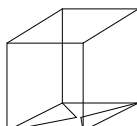
(25 °c Ambient Temperature Unless Otherwise Noted)



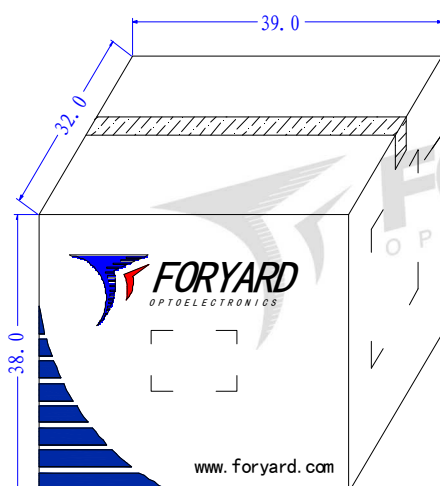
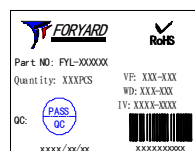
Radiation pattern.



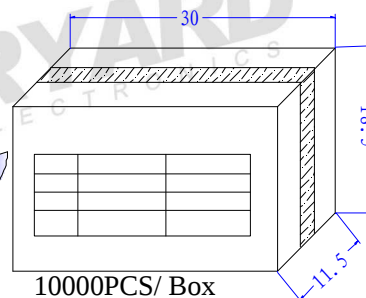
■ LAMP PACKING



5mm 1000PCS/Polybag



OUTSIDE LABEL



60000PCS/ Carton



OUTSIDE LABEL