Model. No.	FYL-5013PURD1C
Rev.	A

PRODUCT SPECIFICATION

Model No.: FYL-5013PURD1C

Descriptions:
■Dice material: AlGaInP.
■Emitting Color: Super bright Red.
■Device Outline: Φ5mm round type.
■Lens Type: Red diffused.

CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

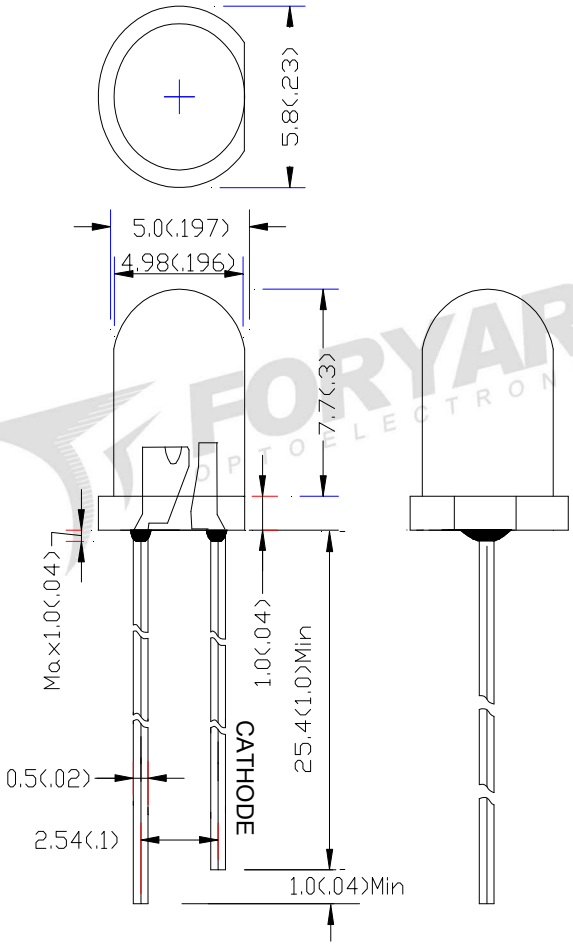
NINGBO FORYARD OPTOELECTRONICS CO.,LTD.
Add:NO.115 Qixin Road Ningbo Zhejiang China **Zip:**315051
Tel: 0086-574-87933652 87927870 87922206
Fax: 0086-574-87927917
E-mail: Sales@foryard.com （General）
Http://www.foryard.com

Model. No.	FYL-5013PURD1C
Rev.	A

■ 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 ±0.25mm(.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)

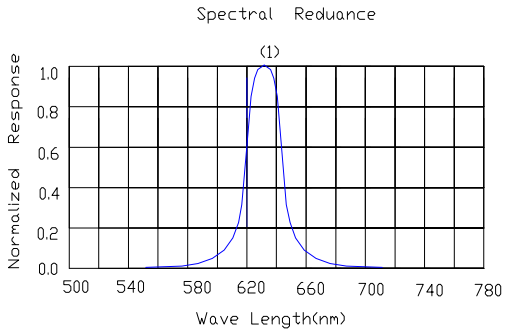
Parameter	MAX.	Unit
Power Dissipation	75	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50℃	0.4	mA/℃
Reverse Voltage	5	V
Operating Temperature Range	-40℃ to +85℃	
Storage Temperature Range	-40℃ to +100℃	
Lead Soldering Temperature[4mm(.157")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

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

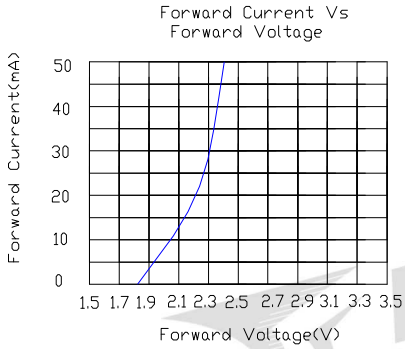
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_V	–	2200	–	mcd	I_F=20mA
Viewing Angle	$2\theta_{1/2}$	–	30	–	Deg	
Peak Emission Wavelength	λp	–	630	–	nm	
Dominant Wavelength	λd	620	625	630	nm	
Spectral Line Half-Width	△λ	–	15	–	nm	
Forward Voltage	V_F	1.7	2.0	2.5	V	
Reverse Current	I_R			10	μA	V_R=5V

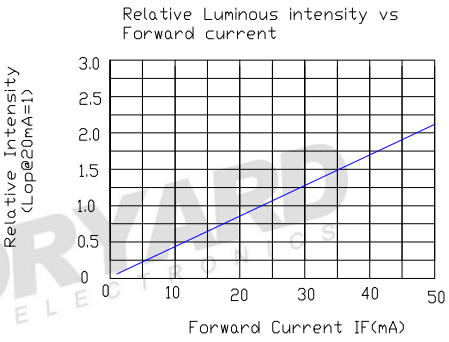
■ Typical Electrical Characteristics Curves

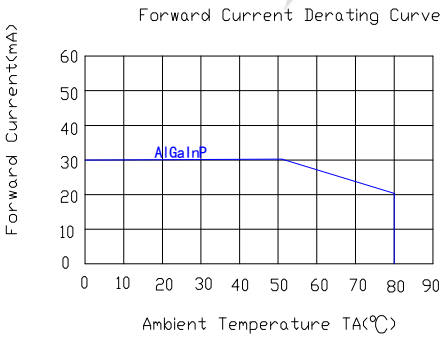
(25 ˚c Ambient Temperature Unless Otherwise Noted)

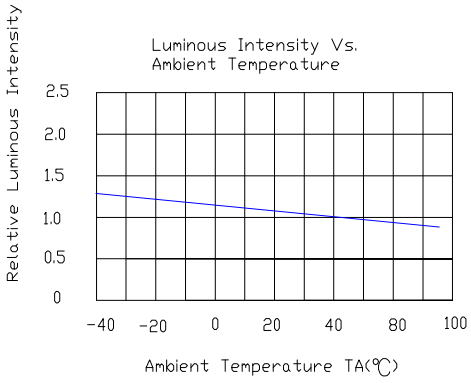


(1)peak@630nm /Red

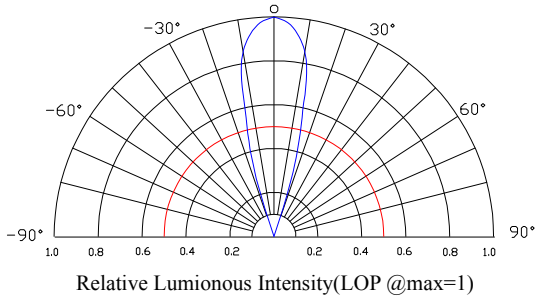






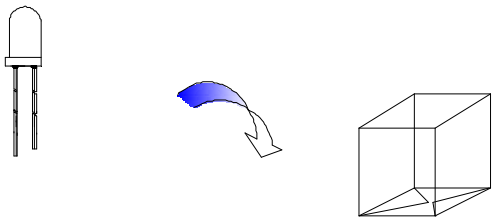


Radiation pattern.

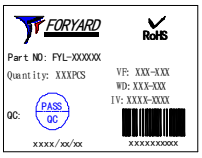


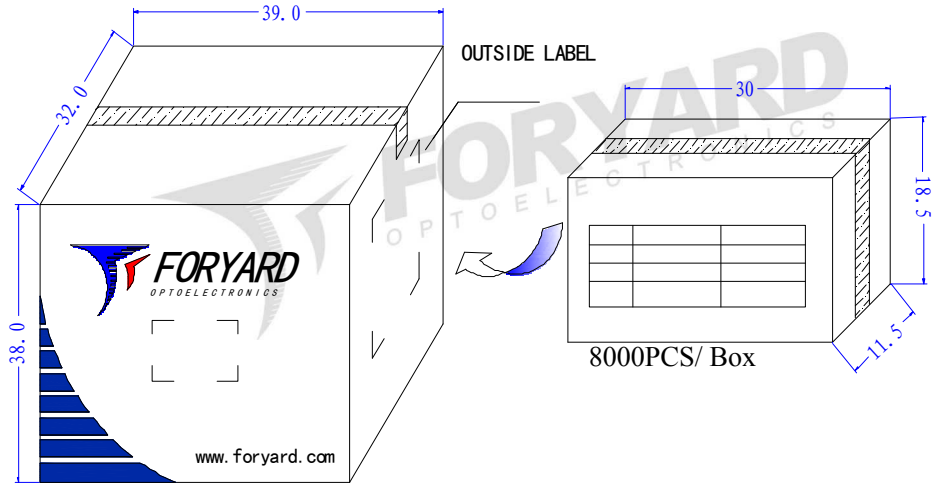
Relative Lumionous Intensity(LOP @max=1)

■ LAMP PACKING.



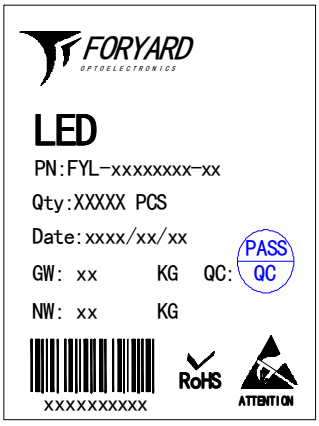
5mm 1000PCS/Polybag





8000PCS/ Box

48000PCS/ Carton



OUTSIDE LABEL