

PRODUCT SPECIFICATION

Model No.: FYL-5013SURD1C

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.

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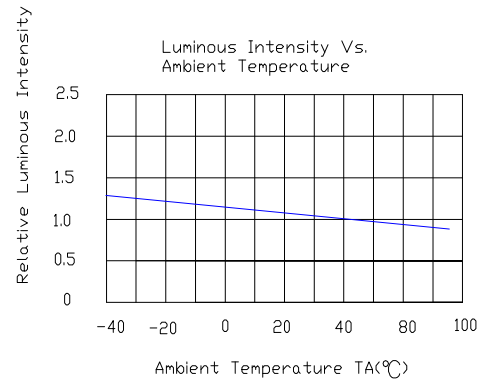
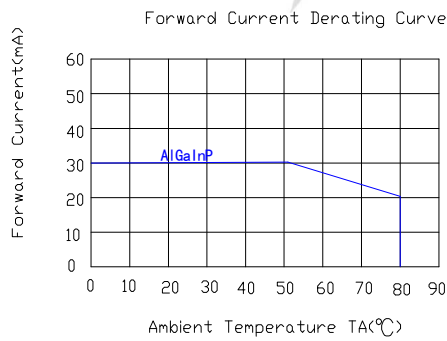
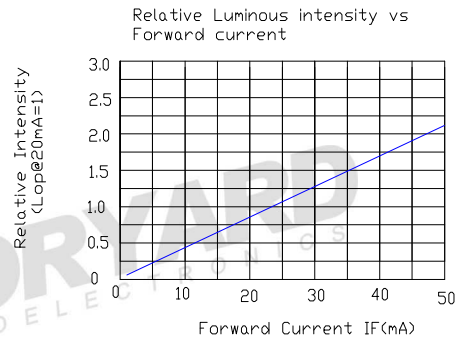
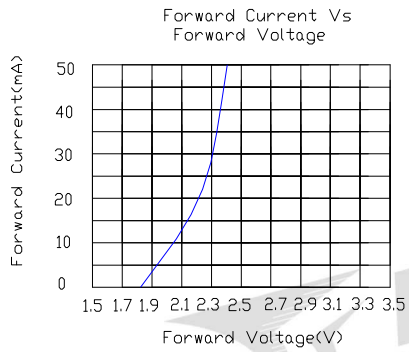
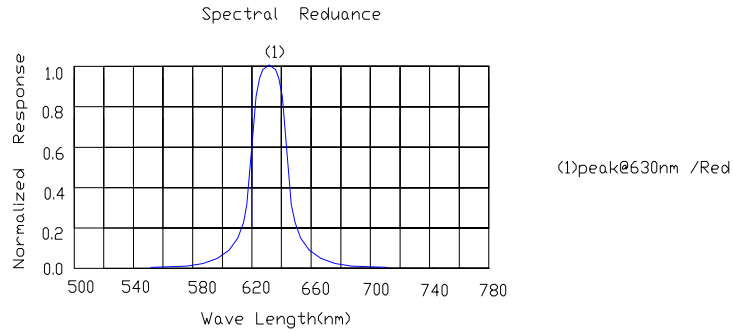
■ Absolute maximum ratings(Ta=25 ° c)

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	-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	

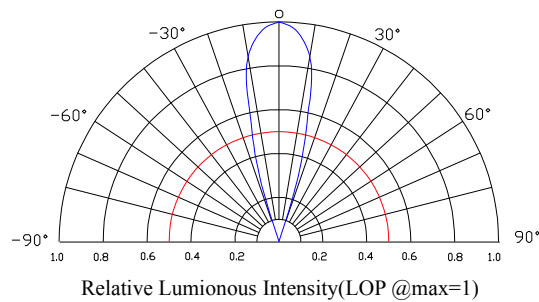
■ Electrical and optical characteristics(Ta=25 ° c)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	-	800	-	mcd	$I_F=20mA$
Viewing Angle	$2\theta_{1/2}$	-	30	-	Deg	
Peak Emission Wavelength	λ_p	-	630	-	nm	
Dominant Wavelength	λ_d	620	625	630	nm	
Spectral Line Half-Width	$\Delta\lambda$	-	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)

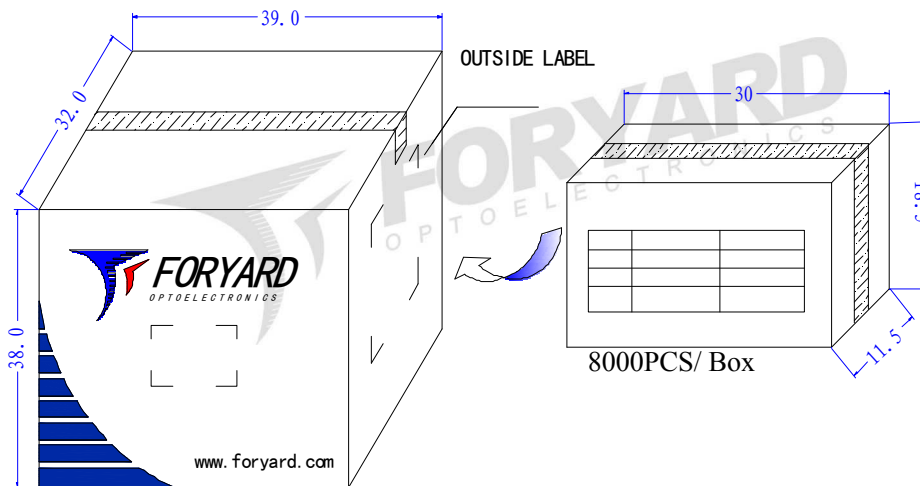
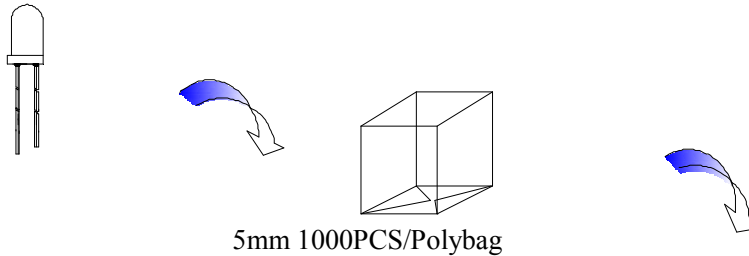


Radiation pattern.



Model. No.	FYL-5013SURD1C
Rev.	A

■ LAMP PACKING.



48000PCS/ Carton



OUTSIDE LABEL