

FYL-5013NURD1C

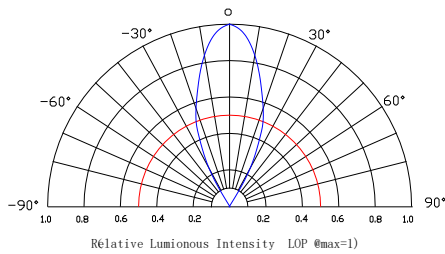
Features:

- High intensity
- General purpose leads
- RoHs complant.

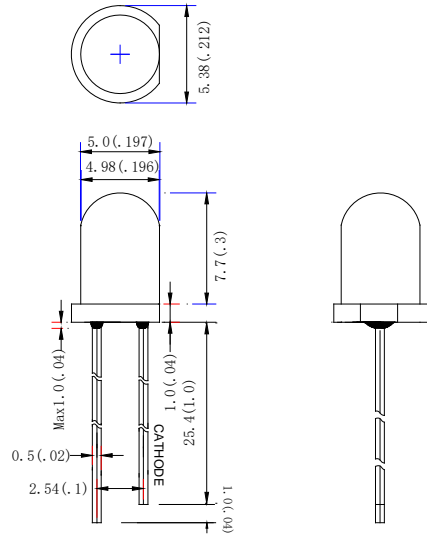
Descriptions:

- Dice material: AlGaInP
- Emitting Color: Super bright Red
- Device Outline: $\Phi 5\text{mm}$ Round Type.
- Lens Type: Red diffused.

Radiation pattern.



Package configuration



- ◆ All dimensions are millimeters (inches)
- ◆ Tolerance is $\pm 0.25\text{mm}$ (0.010") unless otherwise noted.

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

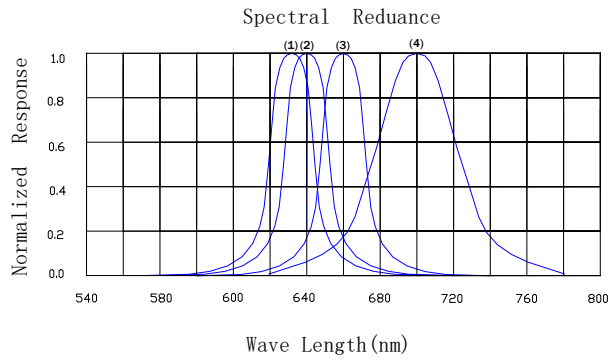
Parameter	MAX.	Unit
Power Dissipation	50	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	20	mA
Derating Linear From 50 °C	0.4	mA/ °C
Reverse Voltage	5	V
Operating Temperature Range	-30	°C to +80°C
Storage Temperature Range	-40	°C to +100°C
Lead Soldering Temperature [4mm (.157") From Body]	260	°C for 5 Seconds

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

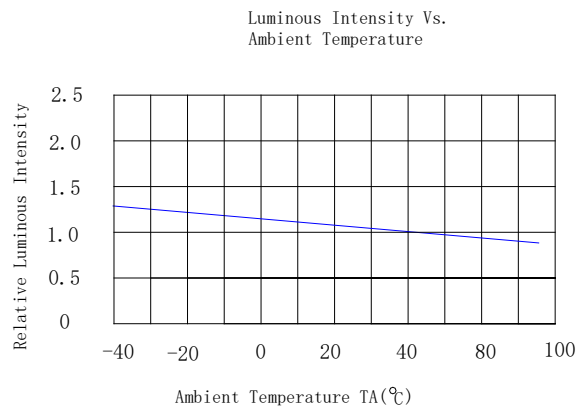
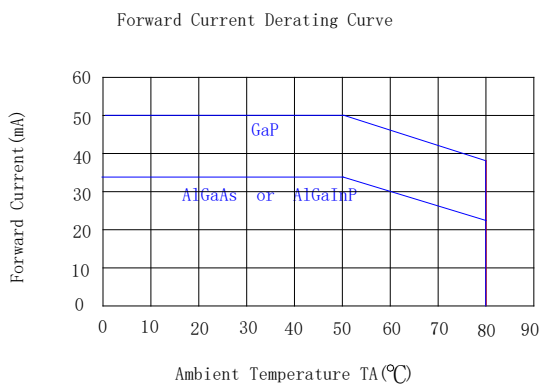
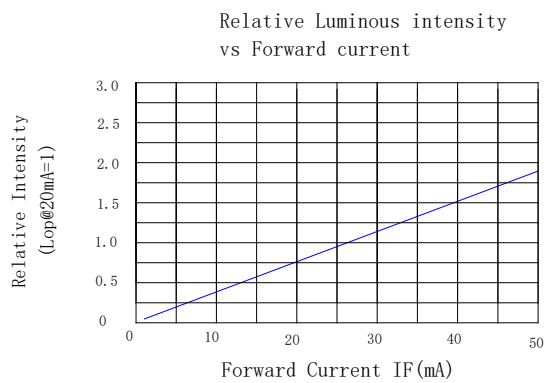
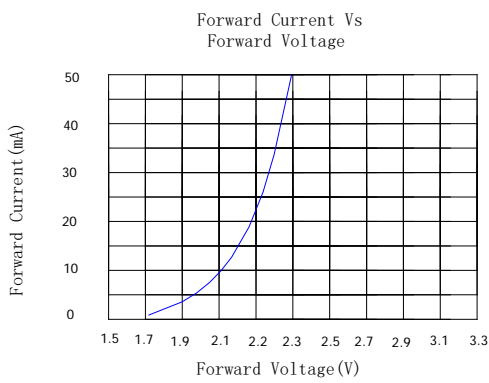
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	-	550	-	mcd	$I_F = 20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	50	55	60	Deg	
Peak Emission	λ_p	625	630	635	nm	
Dominant Wavelength	λ_d	620	625	630	nm	
Spectral Line Half-Width	$\Delta\lambda$	10	15	20	nm	
Forward Voltage	V_F	1.7	1.9	2.1	V	$V_R = 5\text{V}$
Reverse Current	I_R			50	μA	

Typical Electrical Characteristics Curves

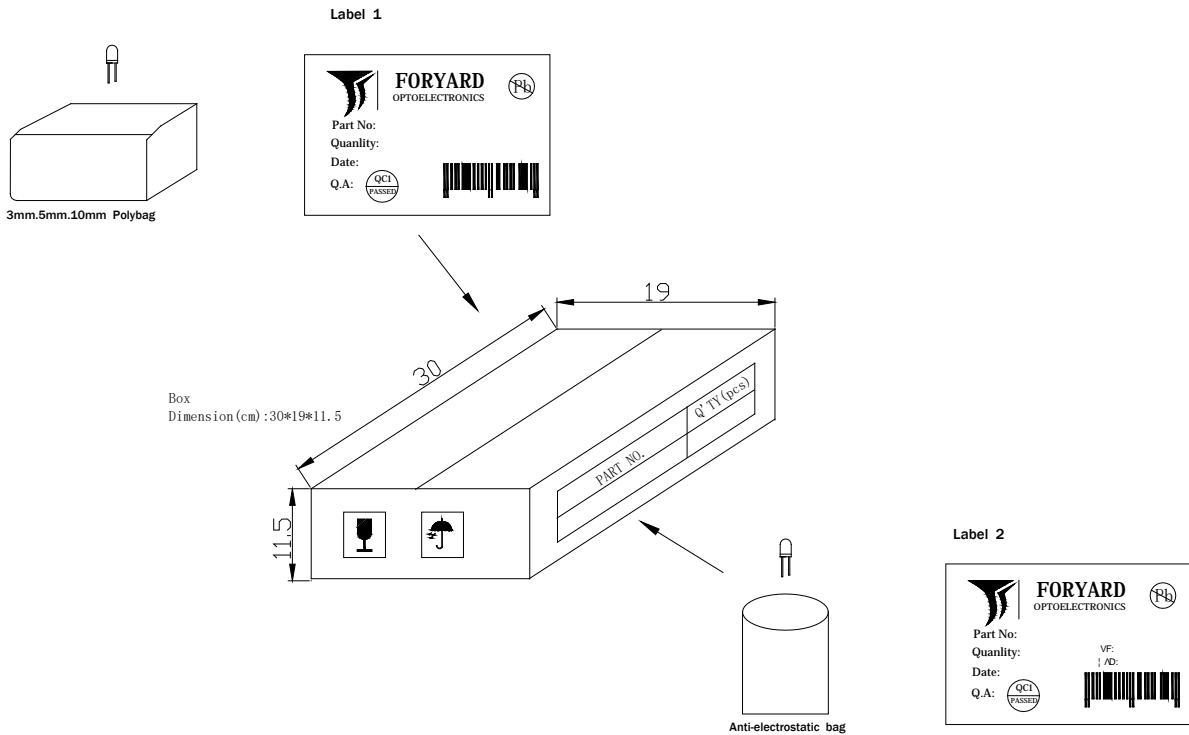
(25°C Ambient Temperature Unless Otherwise Noted)



- (1) AlGaInP peak@630/Red
- (2) GaAsP/GaP peak@640nm /Red
- (3) AlGaAs/GaAs peak@660nm/Super Red
- (4) GaP peak@700nm/ Red

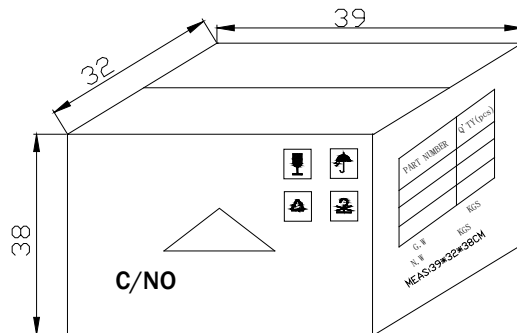


LAMP PACKING.



DEVICE	QTY/polybag(pcs)	Polybag/box A	Fig
5mm(T-1 3/4)	1000	8 bags	Label 1
3mm(T-1)	1000	10 bags	Label 1
10mm(T-1)	250	8 bags	Label 1
Blue/Green/White	500pcs	8 bags	Label 2

CARTON
Dimension(cm):39*32*38



6 Boxes/Carton
5mm:48,000pcs
3mm:60,000pcs
10mm:12,000pcs
Blue/Pure Green/bluish Green
/White:24,000pcs