

FYL-5463NURT1B

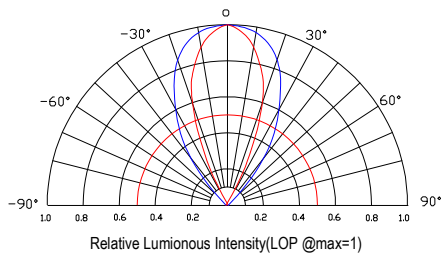
Features:

- High intensity
- General purpose leads
- RoHs compliant.

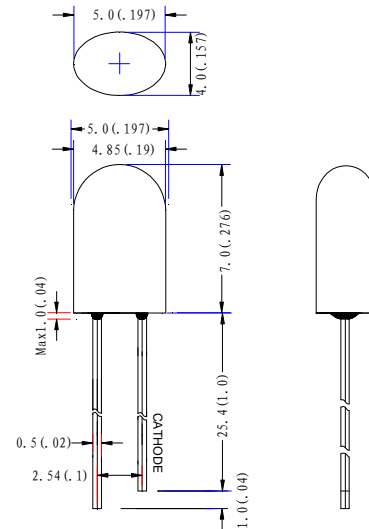
Descriptions:

- Dice material: AlGaInP
- Emitting Color: Super bright Red
- Device Outline: $\Phi 5. * 4$ mm ellipse Type.
- Lens Type: Red transparent

Radiation pattern.



Package configuration



- ◆ All dimensions are millimeters (inches)
- ◆ Tolerance is $\pm 0.25\text{mm}(.010\text{'})$ unless otherwise noted.

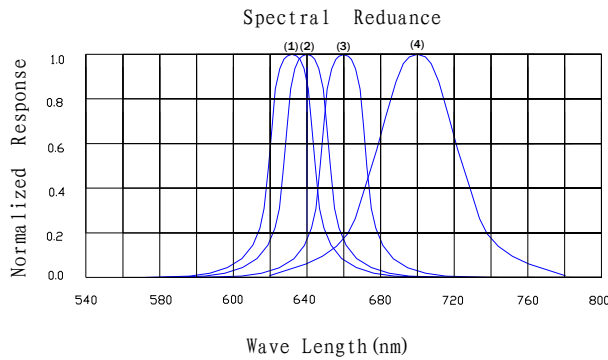
Absolute maximum ratings($T_a=25^\circ\text{C}$)

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	

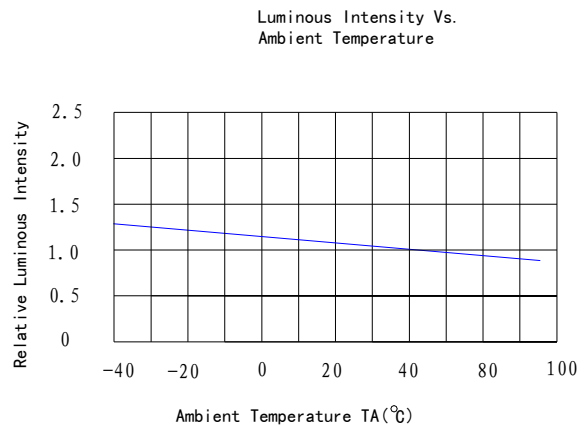
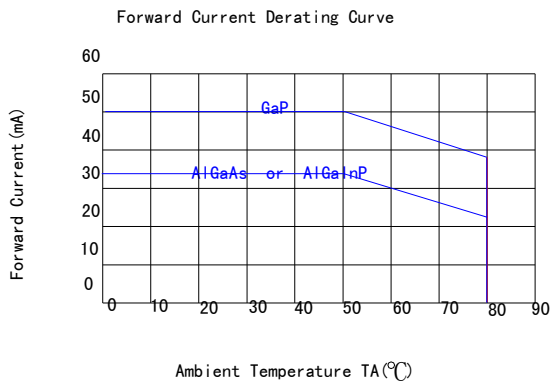
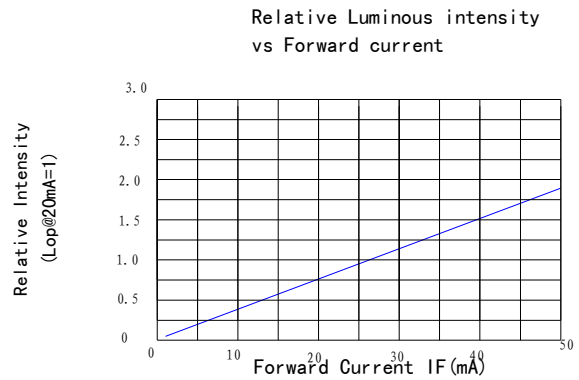
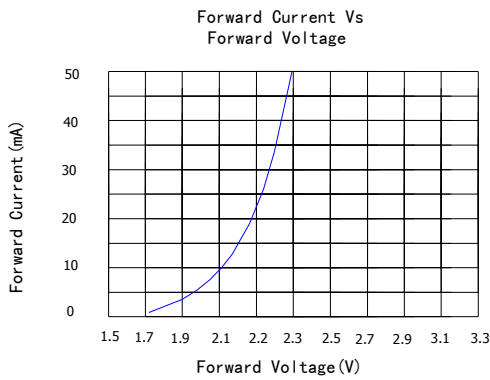
Electrical and optical characteristics($T_a=25^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition	
Luminous Intensity	I_v	-	1800	-	mcd	$I_F=20\text{mA}$	
Viewing Angle	$2\theta_{1/2}$	X	70	75	80		Deg
		y	40	45	50		
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	1.8	2.0	2.2	V		
Reverse Current	I_R			50	μA	$V_R=5\text{V}$	

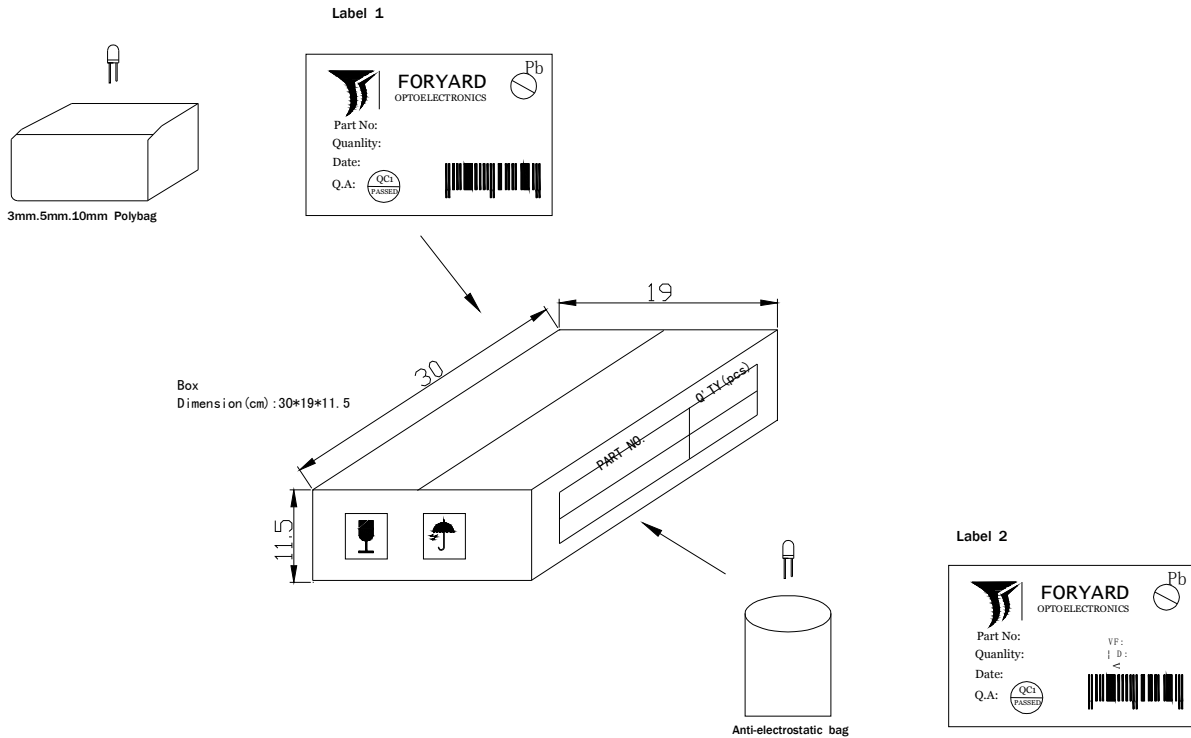
Typical Electrical Characteristics Curves (25 °c Ambient Temperature Unless Otherwise Noted)



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

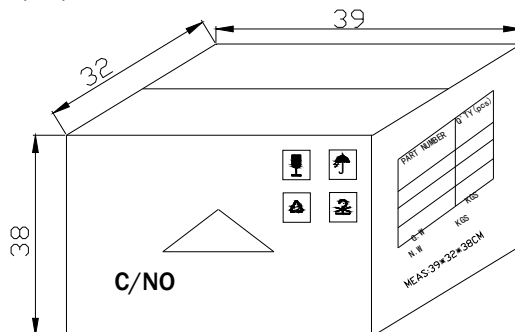


LAMP PACKING.



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