

FYL-3017URUGW1A

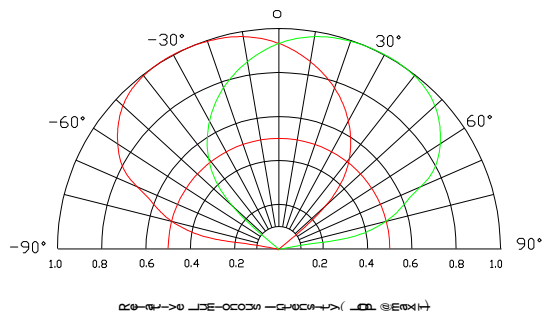
Features:

- High intensity
- General purpose leads
- RoHs compliant.

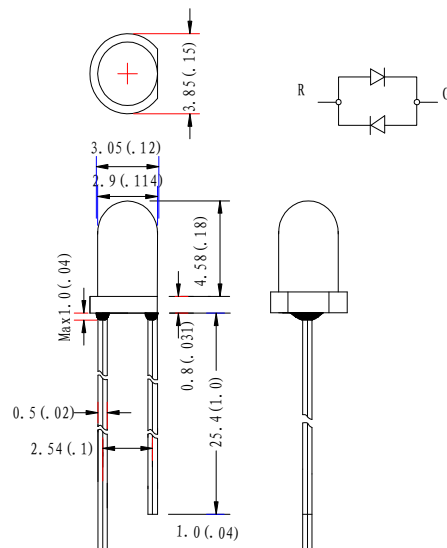
Descriptions:

- Dice material R: GaAsP
G: GaAsP
- Emitting Color R: Red.
G: Yellow Green
- Device Outline: $\Phi 3\text{mm}$ Round Type.
- Lens Type: White diffused.

Radiation pattern.



Package configuration



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

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

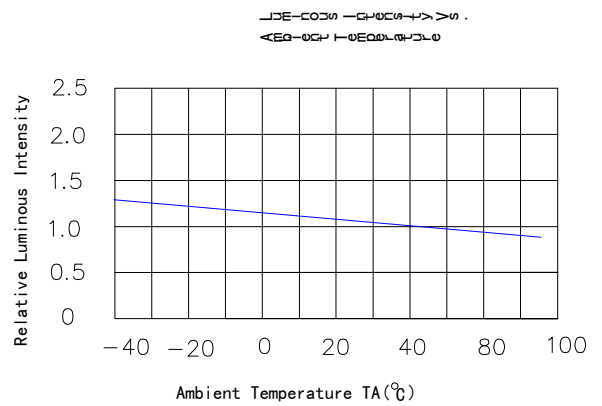
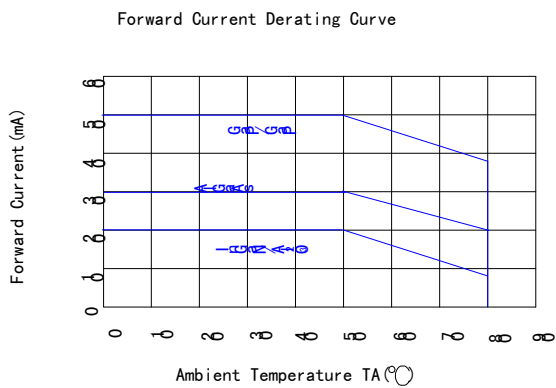
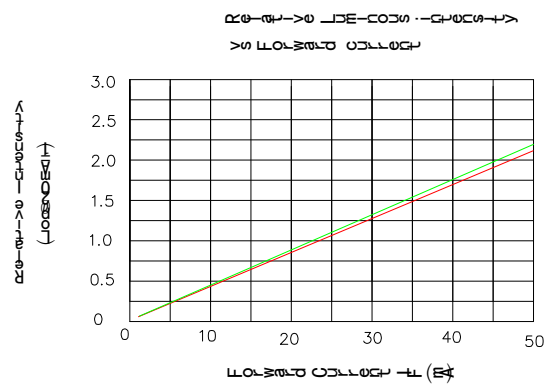
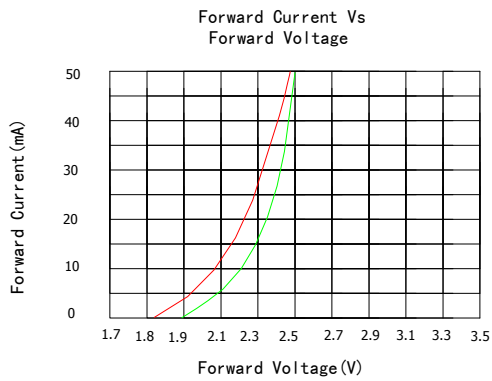
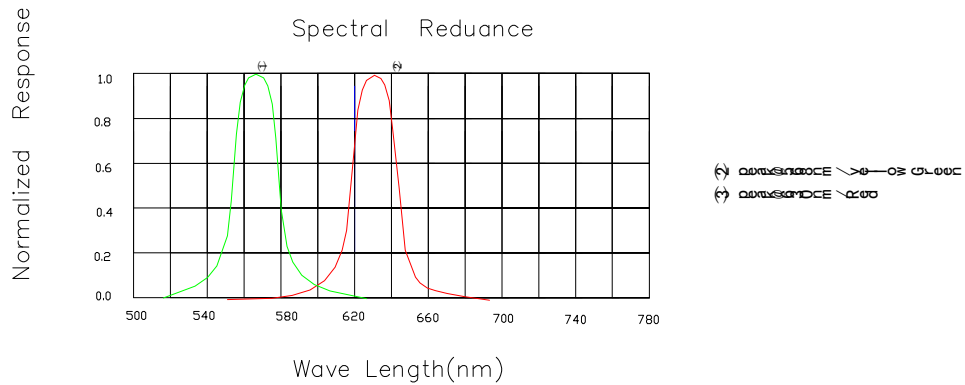
Parameter	MAX.		Unit
Power Dissipation	R	80	mW
	G	80	
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100		mA
Continuous Forward Current	30		mA
Derating Linear From 50°C	0.4		mA/ $^\circ\text{C}$
Reverse Voltage	5		V
Operating Temperature Range	-30°C to $+80^\circ\text{C}$		
Storage Temperature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

Electrical and optical characteristics(Ta=25 °c)

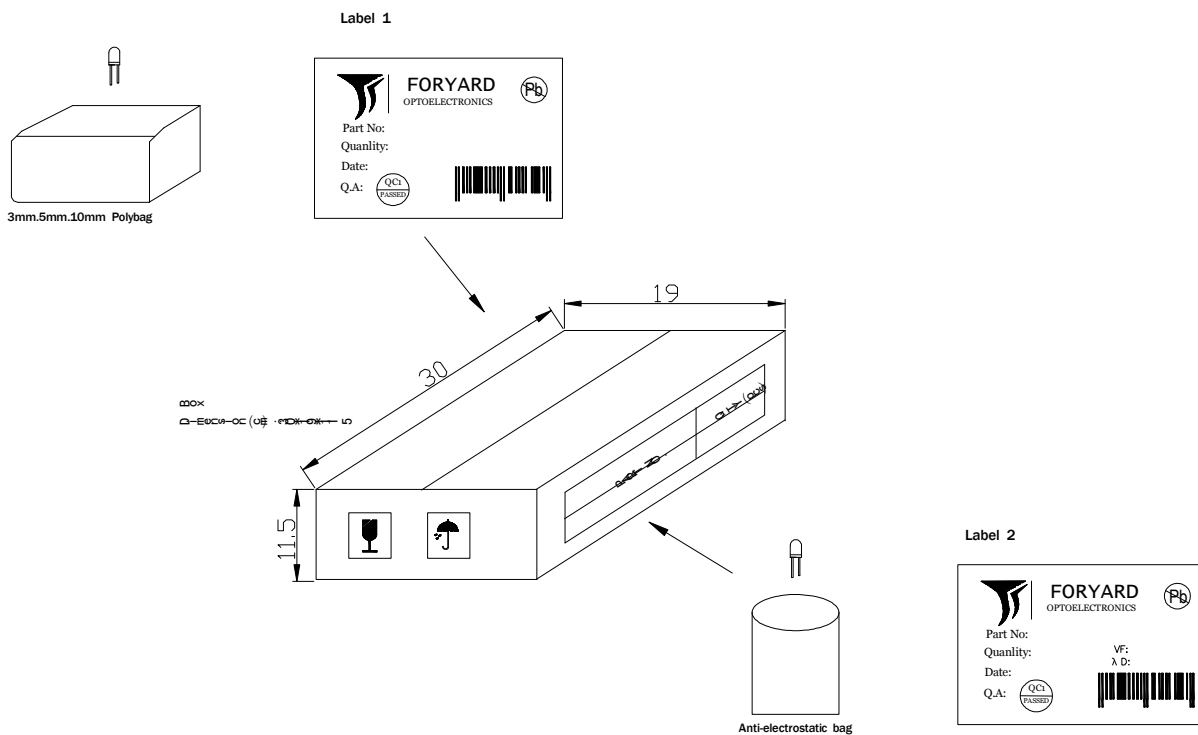
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v	R	–	30	–	I _F =20mA
		G	–	25	–	
Viewing Angle	2θ _{1/2}	R	150	160	170	
		G	150	160	170	
Peak Emission Wavelength	λ _p	R	–	630	–	
		G	–	568	–	
Dominant Wavelength	λ _d	R	–	625	–	
		G	–	572	–	
Spectral Line Half-Width	Δλ	R	10	15	20	
		G	15	20	25	
Forward Voltage	V _F	R	1.6	1.9	2.3	
		G	1.8	2.3	2.5	

Typical Electrical Characteristics Curves

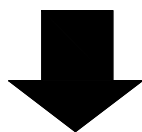
(25 °C Ambient Temperature Unless Otherwise Noted)



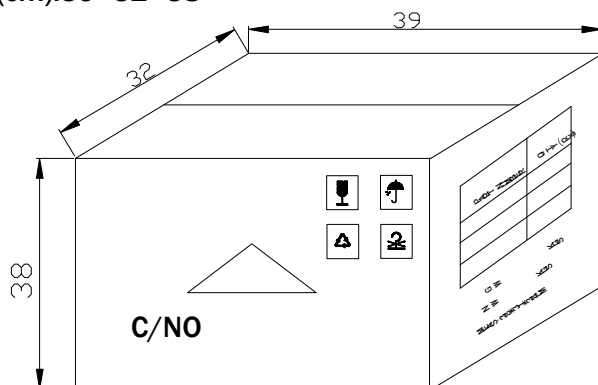
LAMP PACKING.



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	500	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