

## FYL- 3014GC1A

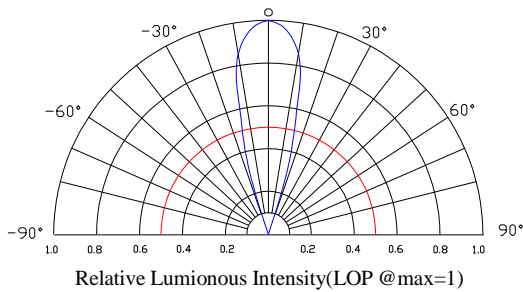
### Features:

- ◆ General purpose leads
- ◆ RoHs compliant.

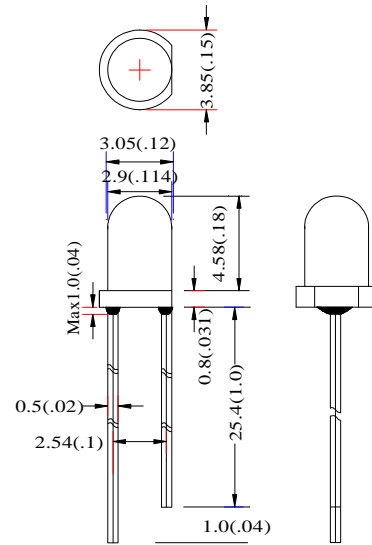
### Descriptions:

- ◆ Dice material: GaP
- ◆ Emitting Color: Yellow Green
- ◆ Device Outline: Φ3mm Round Type.
- ◆ Lens Type: water clear.

### Radiation pattern.



### Package configuration



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

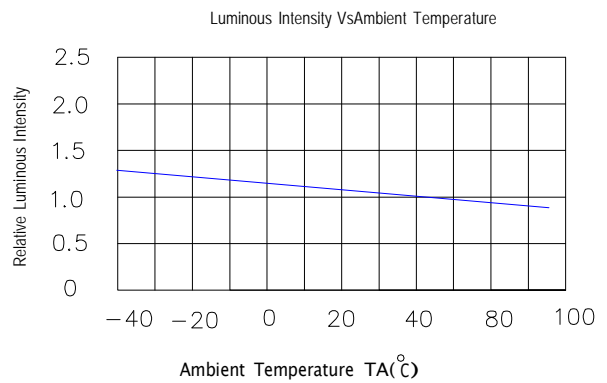
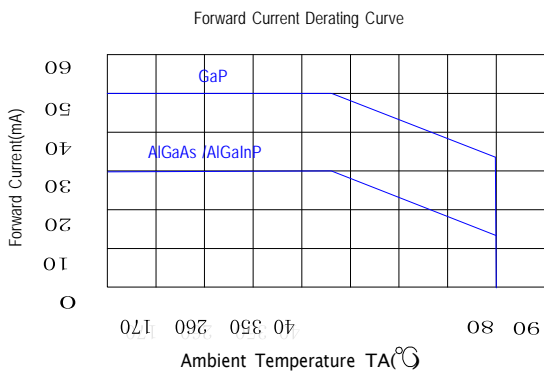
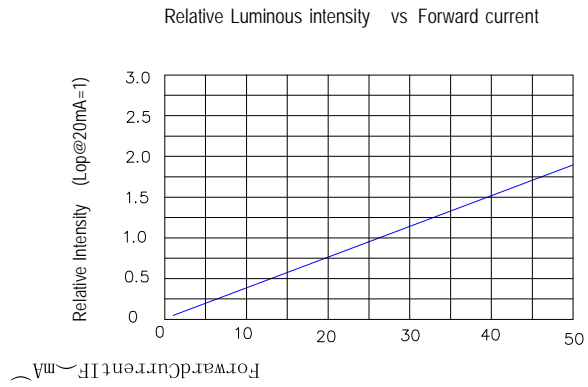
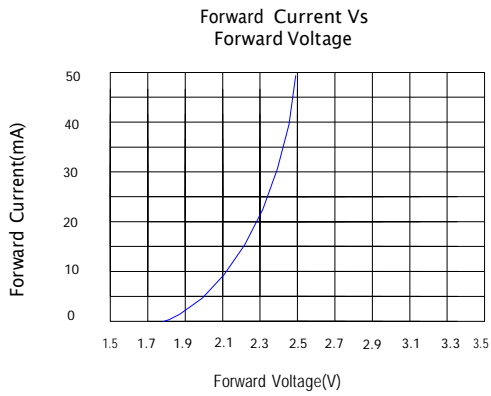
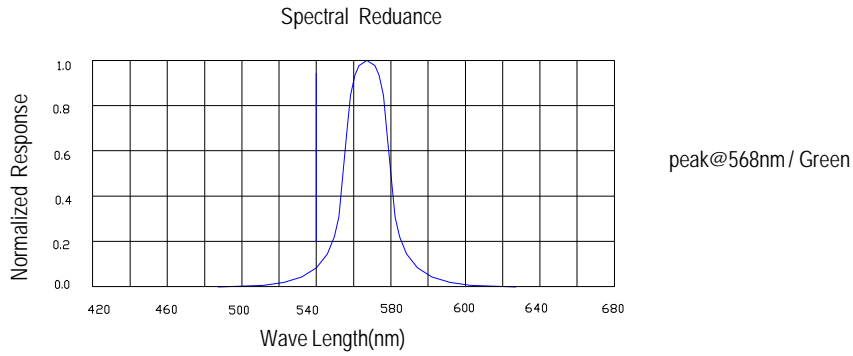
### Absolute maximum ratings( $T_a=25^\circ\text{C}$ )

| Parameter   | MAX.                | Unit  |
|---|---------------------|-------|
| Power Dissipation   | 120                 | mW    |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 100                 | mA    |
| Continuous Forward Current                                | 50                  | mA    |
| Derating Linear From 50°C                                 | 0.4                 | mA/°C |
| Reverse Voltage   | 5                   | V     |
| Electrostatic Discharge (ESD)                             | 150                 | 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 |       |

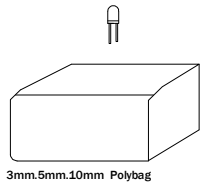
### Electrical and optical characteristics( $T_a=25^\circ\text{C}$ )

| Parameter                | Symbol          | Min. | Typ. | Max. | Unit          | Test Condition    |
|--------------------------|-----------------|------|------|------|---------------|-------------------|
| Luminous Intensity       | $I_v$           | -    | 200  | -    | mcd           | $I_F=20\text{mA}$ |
| Viewing Angle            | $2\theta_{1/2}$ | 25   | 30   | 35   | Deg           |                   |
| Peak Emission Wavelength | $\lambda_p$     | 563  | 568  | 573  | nm            |                   |
| Dominate Wavelength      | $\lambda_d$     | 565  | 570  | 575  | nm            |                   |
| Spectral Line Half-Width | $\Delta\lambda$ | 15   | 20   | 25   | nm            |                   |
| Forward Voltage          | $V_F$           | 1.8  | 2.2  | 2.5  | V             |                   |
| Reverse Current          | $I_R$           |      |      | 10   | $\mu\text{A}$ | $V_R=5\text{V}$   |

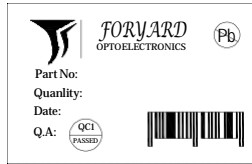
## Typical Electrical Characteristics Curves (25 °c Ambient Temperature Unless Otherwise Noted)



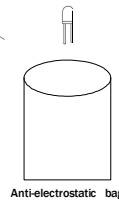
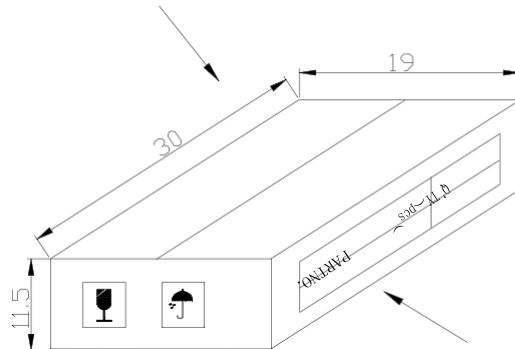
## LAMP PACKING.



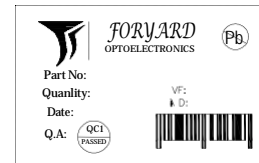
Label 1



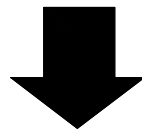
Box Dimension (cm): 30\*19\*11.5



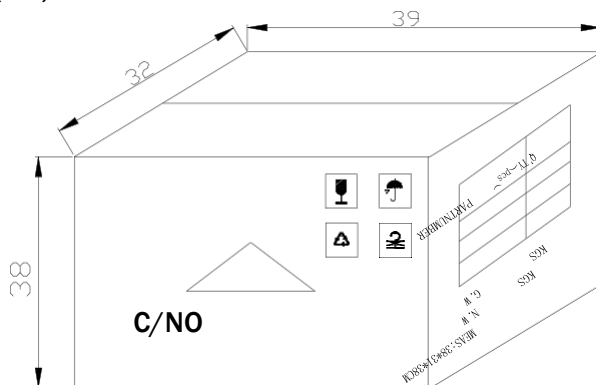
Label 2



| 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