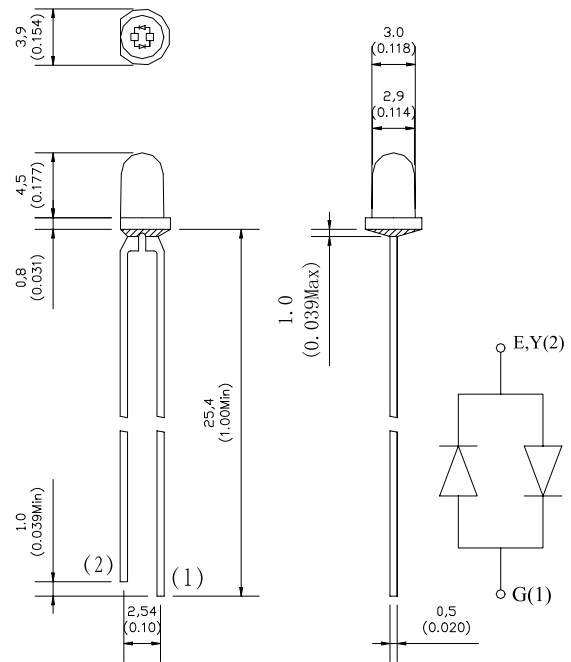


## GNL-3017xx (Φ 3mm ROUND TYPE) Bi-color series

ABSOLUTE MAXIMUM RATING:(Ta=25°C)

| Parameter  |     |      | Unit |
|--|-----|------|------|
| DC Forward Current                                     | 30  |      | mA   |
| Reverse Voltage  | 5   |      | V    |
| Reverse Current (Vr=5V)                                | 10  |      | μA   |
| Peak Forward Current ,tw ,=1 msec Duty ,=1/20          | 150 |      | mA   |
| Operation Temperature                                  | -40 | +80  | °C   |
| Storage Temperature                                    | -40 | +100 | °C   |
| Solder Dip Temperature<br>(5 seconds,1.6mm from body ) | 300 | ±5   | °C   |



### Feature:

- 1.Small flange without stand-off
- 2.Long life-solid state reliability
- 3.Long lead length(25.4mm)
- 4.Versatile mounting on P.C. board or panel

### Description:

- 1.The shape of this series is round
- 2.General application is for indication,illumination,etc.
- 3.These LED lamps are available with a choice of defferent colors,light intensities,epoxy colors,etc.

| Part Number   | EMITTED COLOR |             | Lens Color     | Peak Wave length (nm) | Vf (v) Typ. | IV (If=20mA) mcd |      | View Angle 2 θ 1/2 |
|---------------|---------------|-------------|----------------|-----------------------|-------------|------------------|------|--------------------|
|               |               |             |                |                       |             | Min.             | Typ. |                    |
| GNL-3017EGW   | GaAsp/Gap     | Hi-Eff Red  | White Diffused | 635                   | 2.0         | 5.0              | 12   | 60°                |
|               | Gap           | Green       |                | 565                   | 2.1         | 3.0              | 8.0  |                    |
| GNL-3017YGW   | Gap           | Green       | White Diffused | 565                   | 2.1         | 3.0              | 8.0  | 60°                |
|               | GaAsp         | Yellow      |                | 585                   | 2.1         | 3.0              | 8.0  |                    |
| GNL-3017UEUGW | AlGaInP       | Super Red   | White Diffused | 625                   | 2.0         | 100              | 200  | 60°                |
|               | AlGaInP       | Super Green |                | 572                   | 2.0         | 80               | 180  |                    |
| GNL-3017EGC   | GaAsp/Gap     | Hi-Eff Red  | Water Clear    | 635                   | 2.0         | 15               | 30   | 30°                |
|               | Gap           | Green       |                | 565                   | 2.1         | 12               | 20   |                    |
| GNL-3017YGC   | Gap           | Green       | Water Clear    | 565                   | 2.1         | 12               | 20   | 30°                |
|               | GaAsp         | Yellow      |                | 585                   | 2.1         | 12               | 20   |                    |
| GNL-3017UEUGC | AlGaInP       | Super Red   | Water Clear    | 625                   | 2.0         | 250              | 550  | 30°                |
|               | AlGaInP       | Super Green |                | 572                   | 2.0         | 220              | 480  |                    |