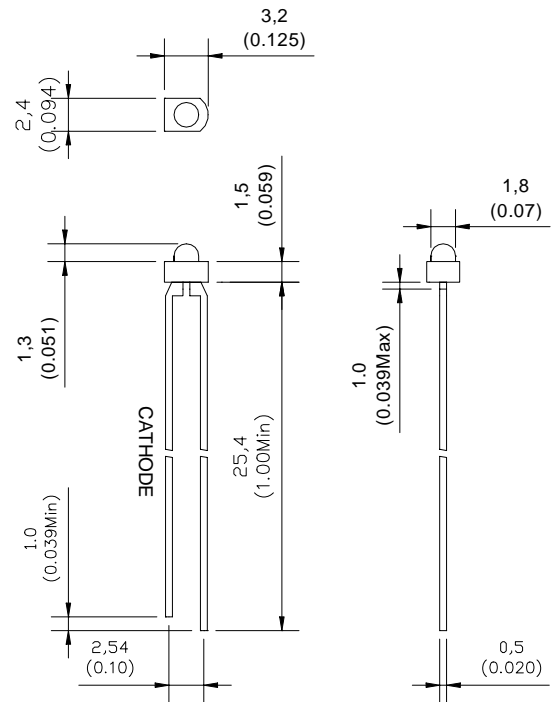


## GNL-2014xxD ( 1.8mm ROUND TYPE) Standard Brightness

ABSOLUTE MAXIMUM RATING:(Ta=25 )

| 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  |      |
| Storage Temperature                                    | -40 | +100 |      |
| Solder Dip<br>(5 seconds,1.6mm from body ) Temperature | 300 | ± 5  |      |



### 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 Wavelength (nm) | Vf (v) Typ. | IV (If=20mA) mcd |      | View Angle 2 1/2 |
|-------------|---------------|--------------|-----------------|----------------------|-------------|------------------|------|------------------|
|             |               |              |                 |                      |             | Min.             | Typ. |                  |
| GNL-2014ED  | GaAsp/Gap     | Orange       | Red Diffused    | 625                  | 2.1         | 20               | 25   | 60 °             |
| GNL-2014GD  | Gap           | Green        | Green Diffused  | 565                  | 2.1         | 15               | 20   | 60 °             |
| GNL-2014YD  | GaAsp/Gap     | Yellow       | Yellow Diffused | 585                  | 2.1         | 20               | 30   | 60 °             |
| GNL-2014BD  | GaAsp/Gap     | Blue         | Blue Diffused   | 470                  | 3.2         | 15               | 20   | 60 °             |
| GNL-2014WW  | InGaN         | White        | White Diffused  | 5500k-7000k          | 3.2         | 100              | 120  | 60 °             |
| GNL-2014UED | GaAsp/Gap     | Ultra Orange | Red Diffused    | 625                  | 2.1         | 50               | 70   | 60 °             |
| GNL-2014UGD | Gap           | Ultra Green  | Green Diffused  | 565                  | 2.1         | 40               | 60   | 60 °             |
| GNL-2014UYD | GaAsp/Gap     | Ultra Yellow | Yellow Diffused | 585                  | 2.1         | 50               | 70   | 60 °             |
| GNL-2014UBD | GaAsp/Gap     | Ultra Blue   | Blue Diffused   | 470                  | 3.2         | 40               | 60   | 60 °             |
| GNL-2014UWW | InGaN         | Ultra White  | White Diffused  | 5500k-7000k          | 3.2         | 200              | 250  | 60 °             |
| GNL-2014SRD | GaAlAs        | Super Red    | Red Diffused    | 660                  | 1.9         | 25               | 35   | 60 °             |