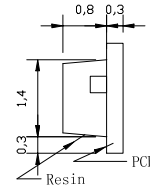
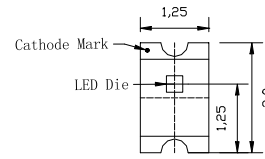


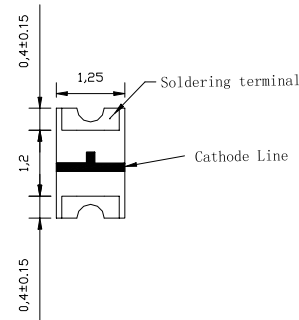
GNL-0805xx (0805 SMD TYPE) Ultra Brightness

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 (5 seconds, 1.6mm from body) | 300 | ±5 | °C |



Unit: mm Tolerance: ±0.1



Features:

Compatible with automatic placement equipment
Compatible with reflow solder process

Applications:

Automotive and Telecommunication
General use for indicators

| Part Number | EMITTED COLOR | | Lens Color | Peak Wavelength (nm) | Vf (v) Typ. | IV (If=20mA) mcd | | View Angle 2 θ 1/2 |
|----------------|---------------|------------------|-------------|----------------------|-------------|------------------|------|--------------------|
| | | | | | | Min. | Typ. | |
| GNL-0805GC | GaP | Green | Water Clear | 567 | 2.0 | 7 | 12 | 120° |
| GNL-0805EC | GaP | Orange Red | Water Clear | 635 | 2.0 | 10 | 18 | 120° |
| GNL-0805YC | GaAsP | Yellow | Water Clear | 588 | 2.0 | 10 | 18 | 120° |
| GNL-0805SRC | GaAlAs | Red | Water Clear | 660 | 2.0 | 9 | 15 | 120° |
| GNL-0805LRC | GaAlAs | Super Red | Water Clear | 660 | 1.9 | 30 | 40 | 120° |
| GNL-0805-URC | GaAlAs | Super Red | Water Clear | 660 | 1.9 | 30 | 40 | 120° |
| GNL-0805UYC | AlGaInP | Super Yellow | Water Clear | 587 | 2.1 | 30 | 40 | 120° |
| GNL-0805UBC | InGaN | Super Blue | Water Clear | 470 | 3.2 | 40 | 50 | 120° |
| GNL-0805PGC | InGaN | Super Pure Green | Water Clear | 525 | 3.4 | 70 | 120 | 120° |
| GNL-0805WC | InGaN | Super White | Water Clear | | 3.2 | 60 | 100 | 120° |
| GNL-0805UYC-TL | AlGaInP | Super Yellow | Water Clear | 587 | 2.1 | 15 | 190 | 120° |
| GNL-0805UEC-TL | GaP | Orange Red | Water Clear | 635 | 2.0 | 150 | 190 | 120° |
| GNL-0805UBC-TL | InGaN | Super Blue | Water Clear | 470 | 3.2 | 150 | 200 | 120° |
| GNL-0805PGC-TL | InGaN | Super Pure Green | Water Clear | 525 | 3.4 | 400 | 500 | 120° |
| GNL-0805UWC-TL | InGaN | Super White | Water Clear | | 3.2 | 700 | 900 | 120° |