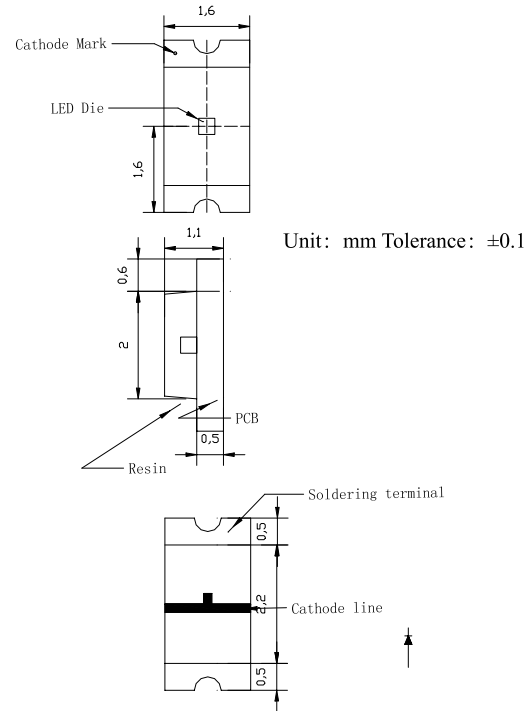


## GNL-1206xx (1206 SMD TYPE) Ultra Brightness

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



### 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-1206GC  | GaP           | Green            | Water Clear | 567                  | 2.0         | 7                | 12   | 120°               |
| GNL-1206EC  | GaP           | Orange Red       | Water Clear | 635                  | 2.0         | 10               | 18   | 120°               |
| GNL-1206YC  | GaAsP         | Yellow           | Water Clear | 588                  | 2.0         | 10               | 18   | 120°               |
| GNL-1206SRC | GaAlAs        | Red              | Water Clear | 660                  | 2.0         | 9                | 15   | 120°               |
| GNL-1206LRC | GaAlAs        | Super Red        | Water Clear | 660                  | 1.9         | 30               | 40   | 120°               |
| GNL-1206UYC | AlGaInP       | Super Yellow     | Water Clear | 587                  | 2.1         | 30               | 40   | 120°               |
| GNL-1206UBC | InGaN         | Super Blue       | Water Clear | 470                  | 3.2         | 40               | 50   | 120°               |
| GNL-1206PGC | InGaN         | Super Pure Green | Water Clear | 525                  | 3.4         | 70               | 120  | 120°               |
| GNL-1206WC  | InGaN         | Super White      | Water Clear |                      | 3.2         | 60               | 100  | 120°               |
| GNL-1206UWC | InGaN         | Super White      | Water Clear |                      | 3.2         | 750              | 850  | 120°               |