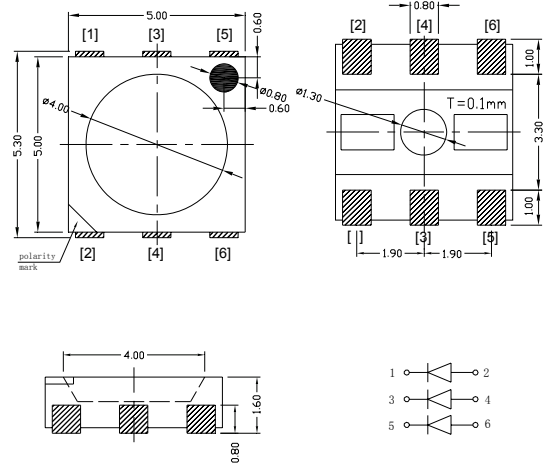


## GNL-5050xx (5050 SMD TYPE) Ultra Brightness

ABSOLUTE MAXIMUM RATING:(Ta=25°C)

| Parameter  |     |      | Unit |
|--|-----|------|------|
| DC Forward Current                                     | 25  |      | mA   |
| Reverse Voltage  | 5   |      | V    |
| Reverse Current (Vr=5V)                                | 5   |      | μA   |
| Peak Forward Current ,tw ,=1 msec Duty ,=1/20          | 100 |      | mA   |
| Operation Temperature                                  | -40 | +85  | °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-5050UEC | AlGaInP       | Red    | Water Clear | 625                  | 2.0         | 500              | 750  | 120°               |
| GNL-5050UGC | InGaN         | Green  | Water Clear | 525                  | 3.2         | 1800             | 2600 | 120°               |
| GNL-5050UBC | InGaN         | Blue   | Water Clear | 470                  | 3.2         | 320              | 500  | 120°               |
| GNL-5050UYC | InGaAlP       | Yellow | Water Clear | 590                  | 2.0         | 460              | 660  | 120°               |
| GNL-5050UWC | InGaN         | White  | Water Clear | 5500K-7500K          | 3.2         | 3000             | 4000 | 120°               |