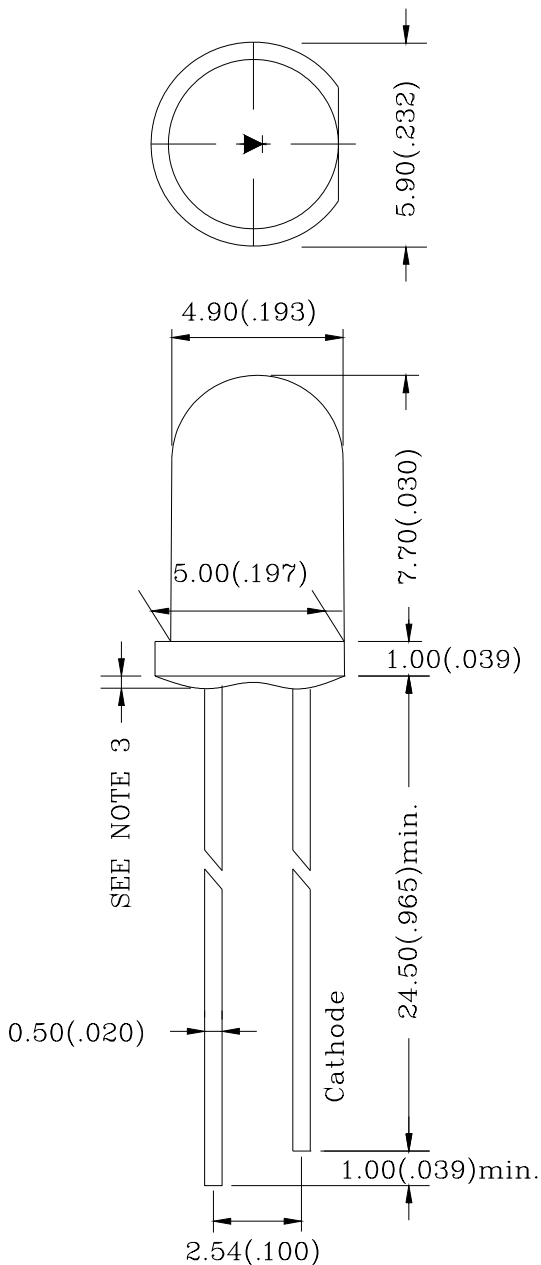


PACKAGE DIMENSIONS



Note:

- 1.All Dimensions are in millimeters.
- 2.Tolerance is  $\pm 0.25\text{mm}(0.010 \text{ "})$   
Unless otherwise specified.
- 3.Protruded resin under flange  
is 1.5mm(0.059 ") max.
- 4.Lead spacing is measured where  
the leads emerge from the package.
- 5.Specification are subject to change  
without notice
- 6.highlight  $<-500\text{V}$  the led can  
withstand the max static level when  
assembling or operation.

**FEATURES**

- \* SUITABLE HIGH PULSE CURRENT OPERATION
- \* EXTRA HIGH RADIANT POWER AND RADIANT INTENSITY
- \* HIGH RELIABILITY
- \* LOW FORWARD VOLTAGE

**CHIP MATERIALS**

- \* Dice Material : GaInN/GaN
- \* Light Color : ULTRA BLUE
- \* Lens Color : WATER CLEAR

**ABSOLUTE MAXIMUM RATING:(Ta=25°C)**

| SYMBOL   | DESCRIPTION                        | ULTRA BLUE    | UNIT  |
|--|------------------------------------|---------------|-------|
| PAD  | Power Dissipation Per Chip         | 80            | mW    |
| VR   | Reverse Voltage Per Chip           | 5             | V     |
| IF   | Average Forward Current Per Chip   | 20            | mA    |
| -  | Derating Linear From 25°C Per Chip | 0.4           | mA/°C |
| Topr   | Operating Temperature Range        | -25°C to 85°C |       |
| Tstg   | Storage Temperature Range          | -40°C to 85°C |       |
| Lead Soldering Temperature { 1.6mm(0.063 inch) From Body } 260°C±5°C For 5 Seconds |                                    |               |       |

**ELECTRO-OPTICAL CHARACTERISTICS:(Ta=25°C)**

| SYMBOL | DESCRIPTION              | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|--------|--------------------------|----------------|------|------|------|------|
| VF     | Forward Voltage          | IF = 20mA      |      | 3.5  | 4.0  | V    |
| IR     | Reverse Current          | VR = 5V        |      |      | 100  | µA   |
| λD     | Dominant Wavelength      | IF = 20mA      |      | 470  |      | nm   |
| Δλ     | Spectral Line Half-Width | IF = 20mA      |      | 30   |      | nm   |
| 2θ1/2  | Half Intensity Angle     | IF = 20mA      |      | 25   |      | deg  |
| IV     | Luminous Intensity       | IF = 20mA      | -    | 2500 | -    | mcd  |

