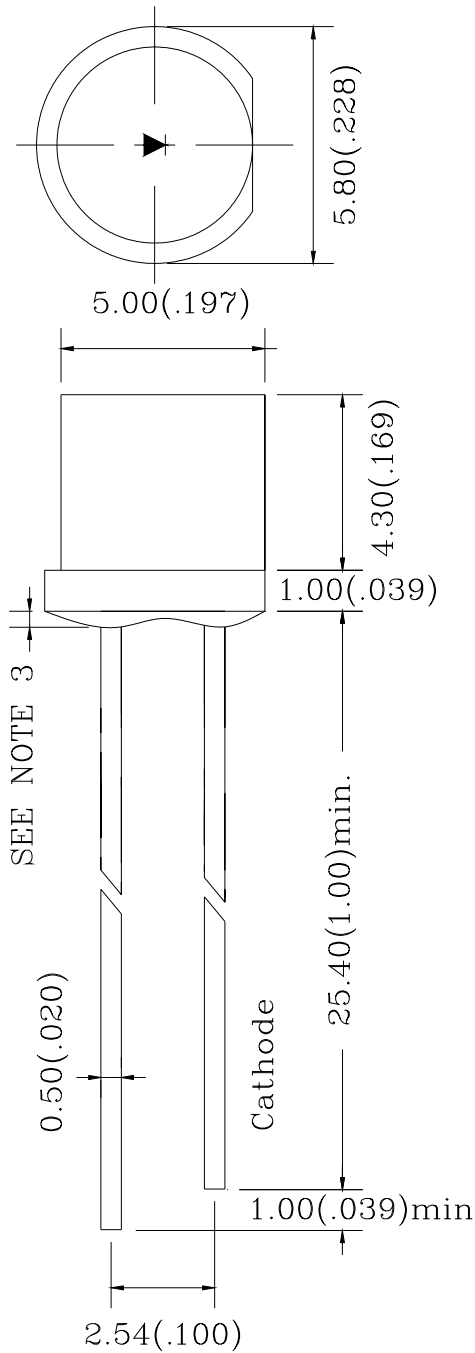


# 5.0 mm DIA CYLINDRICAL LED LAMP

HH-5WC-100

REV:A / 1

## PACKAGE DIMENSIONS



### Note:

1. All Dimensions are in millimeters.
2. Tolerance is  $\pm 0.25\text{mm}$  (0.010 ") 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  $< -400\text{V}$  the led can withstand the max static level when assembling or operation.

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### 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 WHITE
- \* Lens Color : WATER CLEAR

### ABSOLUTE MAXIMUM RATING:(Ta=25°C)

| SYMBOL   | DESCRIPTION                        | ULTRA WHITE   | UNIT  |
|--|------------------------------------|---------------|-------|
| PAD  | Power Dissipation Per Chip         | 120           | mW    |
| VR   | Reverse Voltage Per Chip           | 5             | V     |
| IF   | Average Forward Current Per Chip   | 30            | 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      |      | 3.2  |      | V    |
| IR     | Reverse Current          | VR = 5V        |      |      | 100  | µA   |
| 2θ1/2  | Half Intensity Angle     | IF = 20mA      |      | 100  |      | deg  |
| IV     | Luminous Intensity       | IF = 20mA      |      | 800  |      | mcd  |
| X      | Chromaticity Coordinates | IF = 20mA      |      | 0.29 |      |      |
| Y      |                          | IF = 20mA      |      | 0.30 |      |      |

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