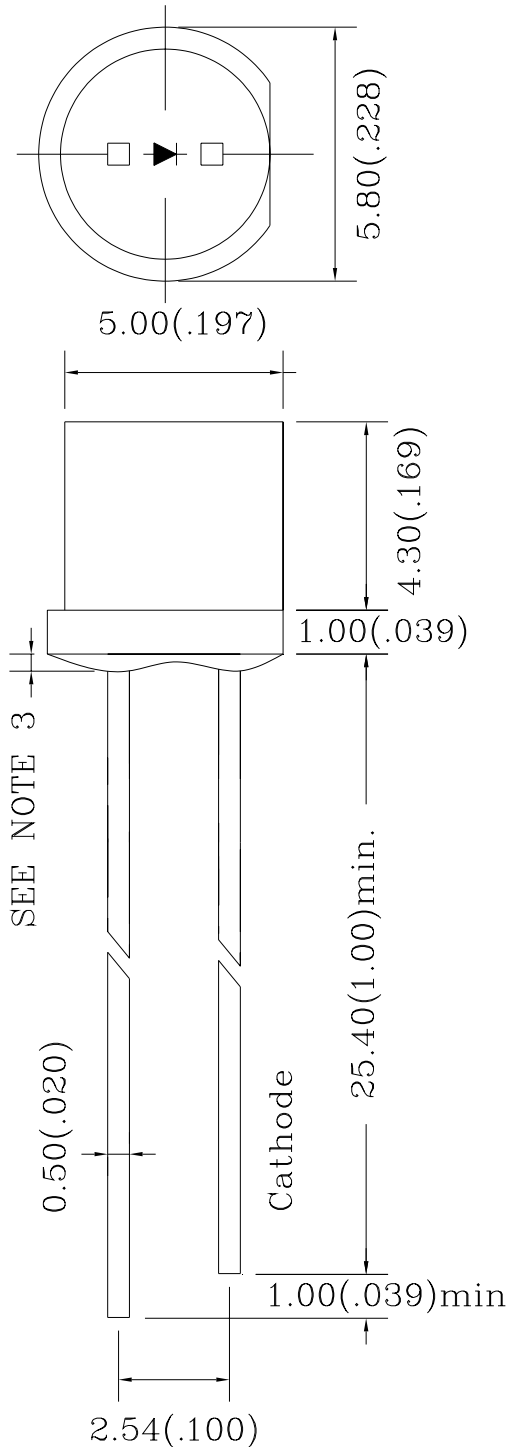


5.0 mm DIA CYLINDRICAL LED LAMP

HH-5YC-100

REV:A / 1

PACKAGE DIMENSIONS



| ITEM | MATERIALS |
|------------|-----------------------|
| RESIN | Epoxy Resin |
| LEAD FRAME | Sn Plating iron Alloy |

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. The lamps have sharp and hard points that may injure human eyes or fingers etc., so please pay enough care in the handling.

5.0 mm DIA CYLINDRICAL LED LAMP

HH-5YC-100

REV:A / 1

FEATURES

- * 5.0mm DIA CYLINDRICAL LED LAMP
- * HIGH LUMINOUS INTENSITY OUTPUT.
- * LOW POWER CONSUMPTION.
- * HIGH EFFICIENCY.
- * VERSATILE MOUNTING ON P.C. BOARD OR PANEL.
- * I.C. COMPATIBLE.
- * Pb FREE PRODUCTS

CHIP MATERIALS

- * Dice Material : GaAlInP/GaAs
- * Light Color : ULTRA YELLOW
- * Lens Color : WATER CLEAR

ABSOLUTE MAXIMUM RATING : (Ta = 25°C)

| SYMBOL | PARAMETER | ULTRA YELLOW | UNIT |
|--------|---|---------------|-------|
| PD | Power Dissipation Per Chip | 85 | mW |
| VR | Reverse Voltage Per Chip | 5 | V |
| IAF | Continuous Forward Current Per Chip | 30 | mA |
| IPF | Peak Forward Current Per Chip (Duty – 0.1,1KHz) | 80 | mA |
| — | Derating Linear From 25°C Per Chip | 0.40 | mA/°C |
| Topr | Operating Temperature Range | -40°C to 85°C | |
| Tstg | Storage Temperature Range | -40°C to 85°C | |

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

| SYMBOL | PARAMETER | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|--------|--------------------------|----------------|------|------|------|------|
| VF | Forward Voltage | IF = 20mA | | 2.2 | | V |
| IR | Reverse Current | VR = 5V | | | 100 | μA |
| λD | Dominant Wavelength | IF = 20mA | | 590 | | nm |
| Δλ | Spectral Line Half-Width | IF = 20mA | | 15 | | nm |
| 2θ1/2 | Half Intensity Angle | IF = 20mA | | 100 | | deg |
| IV | Luminous Intensity | IF = 20mA | | 450 | | mcd |

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