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DATA SHEET

PART NO. : L-314IW-4MM

REV : A / 1

CUSTOMER'S APPROVAL : _____

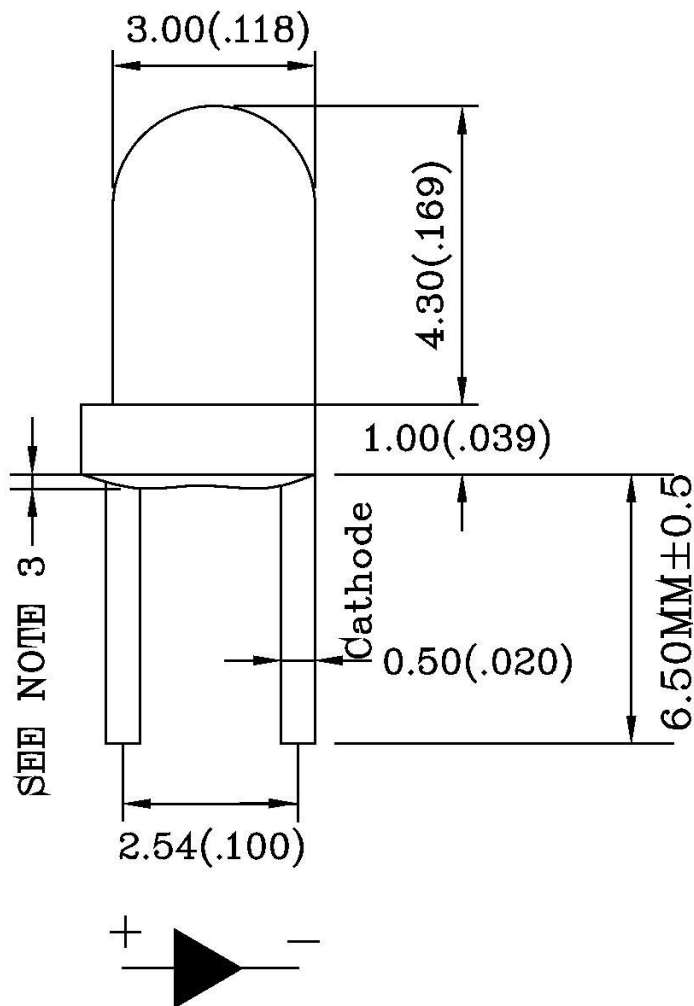
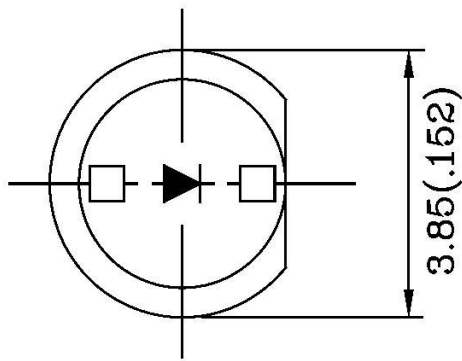
DCC : _____

DRAWING NO. : DS-G-33-19-0075

DATE : 2019-10-07

Page : 1

PACKAGE DIMENSIONS



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

Note:

- 1.All Dimensions are in millimeters.
- 2.Tolerance is $\pm 0.25\text{mm}(0.010 \text{ ''})$ Unless otherwise specified.
- 3.Protruded resin under flange is $1.5\text{mm}(0.059 \text{ ''})$ 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.



3.0 mm DIA LED LAMP

L-314IW-4MM

REV:A / 1

FEATURES

- * 3.0mm DIA LED LAMP
- * LOW POWER CONSUMPTION.
- * I.C. COMPATIBLE.
- * LONG LIFE SOLID STATE RELIABILITY
- * Pb FREE PRODUCTS
- * SL LEVEL 1

CHIP MATERIALS

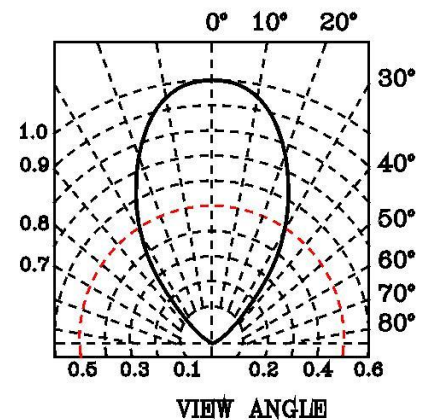
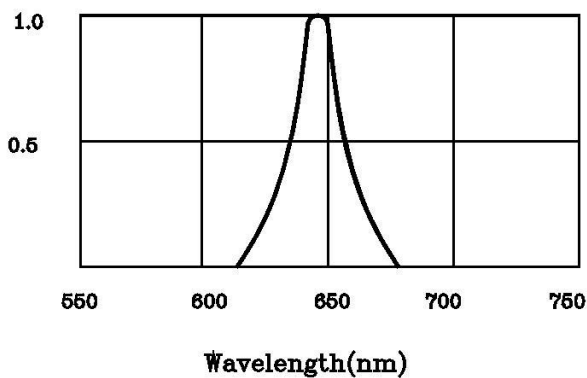
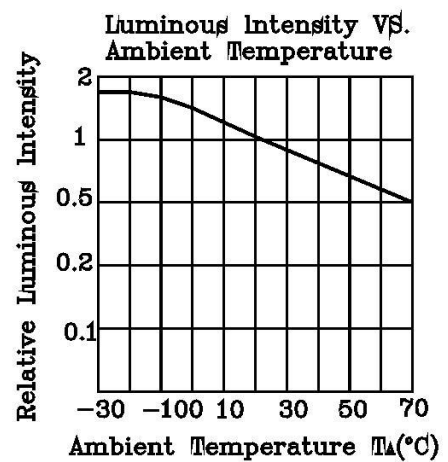
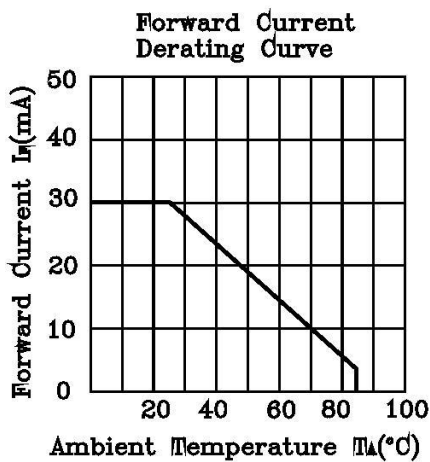
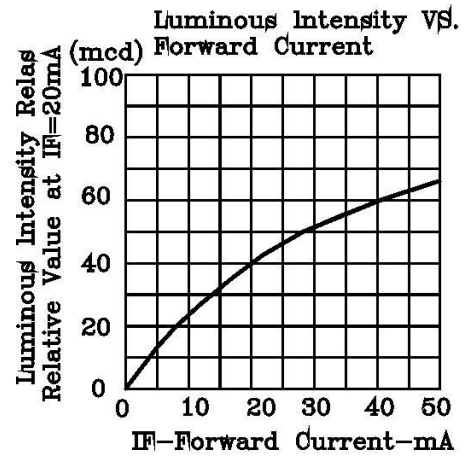
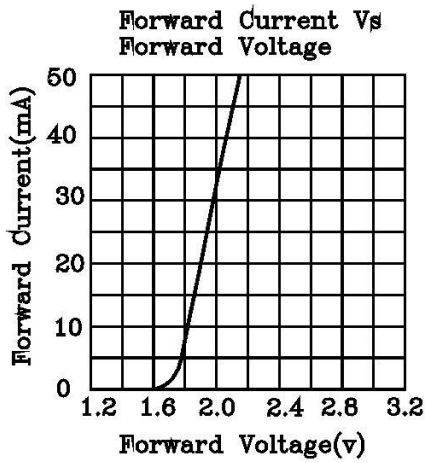
- * Dice Material : GaAlAs/GaAs
- * Light Color : RED
- * Lens Color : WHITE DIFFUSED

ABSOLUTE MAXIMUM RATING : (Ta = 25 C)

| SYMBOL | PARAMETER | RED | UNIT |
|--------|--|---------------|-------|
| PD | Power Dissipation Per Chip | 75 | 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) | 200 | mA |
| — | Derating Linear From 25 C Per Chip | 0.40 | mA/ C |
| Topr | Operating Temperature Range | -25 C to 85 C | |
| Tstg | Storage Temperature Range | -25 C to 85 C | |

ELECTRO-OPTICAL CHARACTERISTICS : (Ta = 25 C)

| SYMBOL | PARAMETER | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|--------|--------------------------|----------------|------|------|------|------|
| VF | Forward Voltage | IF = 20mA | | 1.9 | 2.5 | V |
| IR | Reverse Current | VR = 5V | | | 100 | A |
| D | Dominant Wavelength | IF = 20mA | | 643 | | nm |
| Δ | Spectral Line Half-Width | IF = 20mA | | 20 | | nm |
| 2θ1/2 | Half Intensity Angle | IF = 20mA | | 60 | | deg |
| IV | Luminous Intensity | IF = 20mA | | 40 | | mcd |





3.0 mm DIA LED LAMP

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Label Explanation

| | | | |
|------------|-----|---|--|
| | | 光鼎电子股份有限公司 PARA LIGHT ELECTRONICS CO.,LTD. | |
| PART NO. : | | | |
| LOT NO. : | | INSPECTED | |
| BIN : | | | |
| Q' TY : | PCS | | |
| N. W : | g | | |

PARA NO. : Refer to p13

LOT NO. : E L L 4 7 0009

A B C D E F

- A---E: For series number
- B---L: Local F: Foreign
- C---L: LAMP
- D---Year
- E---Month
- F---SPEC.