# LNJ3W0C83RA

### Hight Bright Surface Mounting Chip LED

#### Wide Angle Type

#### Absolute Maximum Ratings $T_a = 25^{\circ}C$

| Parameter                     | Symbol           | Rating      | Unit |  |
|-------------------------------|------------------|-------------|------|--|
| Power dissipation             | P <sub>D</sub>   | 55          | mW   |  |
| Forward current               | I <sub>F</sub>   | 20          | mA   |  |
| Pulse forward current *       | I <sub>FP</sub>  | 60          | mA   |  |
| Reverse voltage               | V <sub>R</sub>   | 4           | V    |  |
| Operating ambient temperature | T <sub>opr</sub> | -30 to +85  | °C   |  |
| Storage temperature           | T <sub>stg</sub> | -40 to +100 | °C   |  |

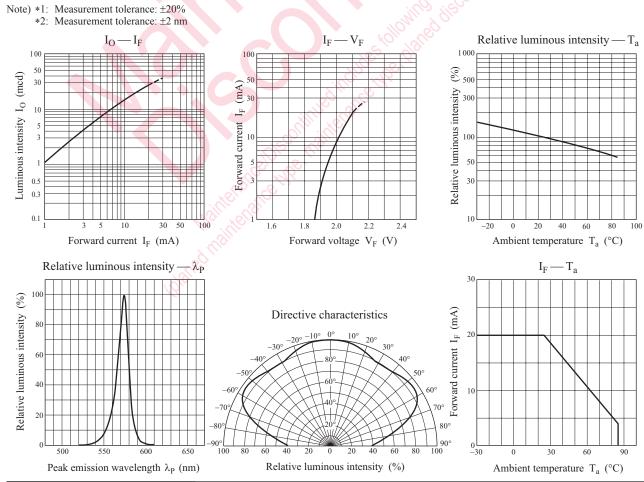
Lighting Color

• Yellow Green

Note) \*: The condition of  $I_{FP}$  is duty 10%, Pulse width 1 msec.

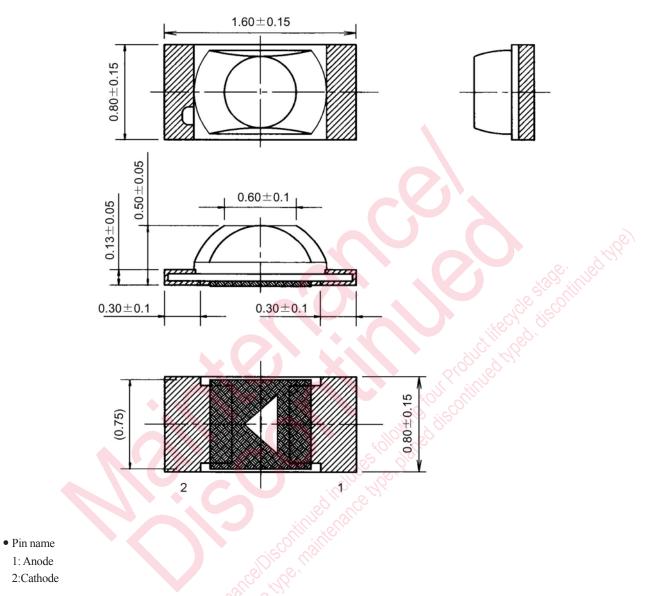
#### Electro-Optical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

| 1 u                             |                        |                      |                  |       |      |      |
|---------------------------------|------------------------|----------------------|------------------|-------|------|------|
| Parameter                       | Symbol                 | Conditions           | Min              | Тур   | Max  | Unit |
| Luminous intensity *1           | Io                     | $I_F = 5 \text{ mA}$ | 3.2              | 7.5 🧹 |      | mcd  |
| Reverse current                 | I <sub>R</sub>         | $V_R = 4 V$          |                  | 200   | 100  | μΑ   |
| Forward voltage                 | V <sub>F</sub>         | $I_F = 5 \text{ mA}$ |                  | 1.95  | 2.30 | V    |
| Peak emission wavelength        | $\lambda_{\mathrm{P}}$ | $I_F = 5 \text{ mA}$ |                  | 575   |      | nm   |
| Dominant emission wavelength *2 | $\lambda_d$            | $I_F = 5 \text{ mA}$ | 566              | 572   | 575  | nm   |
| Spectral half band width        | Δλ                     | $I_F = 5 \text{ mA}$ | 1 all            | 15    |      | nm   |
| Viewing angle                   | 20 <sub>1/2</sub>      | $I_F = 5 \text{ mA}$ | U <sub>fli</sub> | 165   |      | 0    |



Package (Unit: mm)





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