## LNJ836W83RA

Hight Bright Surface Mounting Chip LED

ESS 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   |  |

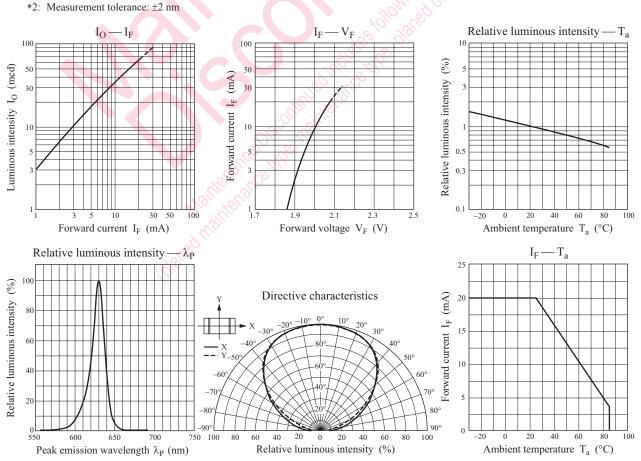
Lighting Color

• Orange

Note) \*: The condition of  $I_{FP}$  is duty 10%, Pulse width 1 msec. Electro-Optical Characteristics  $T_a = 25^{\circ}C \pm 3^{\circ}C$ 

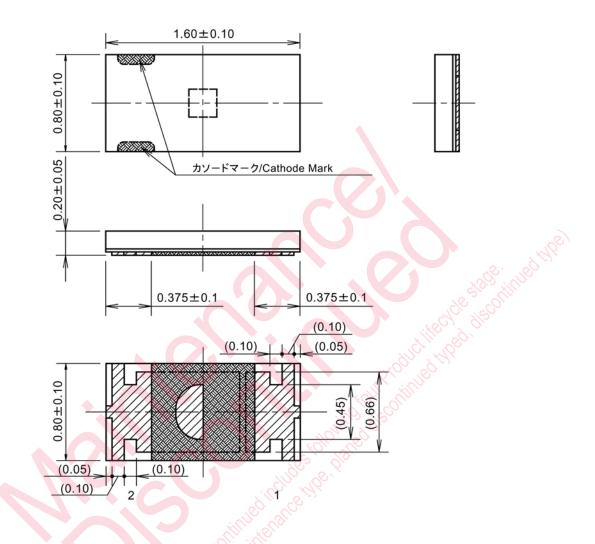
|                                 |                        | -                           |   |        |      |       |
|---------------------------------|------------------------|-----------------------------|---|--------|------|-------|
| Parameter                       | Symbol                 | Conditions                  | Min                                     | Тур    | Max  | Dunit |
| Luminous intensity *1           | I <sub>O</sub>         | $I_{\rm F} = 5 \mathrm{mA}$ | 11.5                                    | 17.5   | 47.3 | mcd   |
| Reverse current                 | I <sub>R</sub>         | $V_R = 4 V$                 |   | is No. | 5100 | μA    |
| Forward voltage                 | V <sub>F</sub>         | $I_F = 5 \text{ mA}$        |   | 1.95   | 2.30 | V     |
| Peak emission wavelength        | $\lambda_{\mathrm{P}}$ | $I_F = 5 \text{ mA}$        | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 630    |      | nm    |
| Dominant emission wavelength *2 | $\lambda_d$            | $I_F = 5 \text{ mA}$        | 615                                     | 620    | 627  | nm    |
| Spectral half band width        | Δλ                     | $I_F = 5 \text{ mA}$        | aller .                                 | 13     |      | nm    |

Note) \*1: Measurement tolerance: ±20%



Package (Unit: mm)

## KLTFTN2K3600



- Pin name
  - 1: Anode
  - 2: Cathode

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