

# LNJ814K8SRA

## Surface Mounting Chip LED

USS Type

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

| Parameter                     | Symbol    | Rating      | Unit             |
|-------------------------------|-----------|-------------|------------------|
| Power dissipation             | $P_D$     | 40          | mW               |
| Forward current               | $I_F$     | 15          | mA               |
| Pulse forward current *       | $I_{FP}$  | 50          | mA               |
| Reverse voltage               | $V_R$     | 3           | V                |
| Operating ambient temperature | $T_{opr}$ | -30 to +85  | $^\circ\text{C}$ |
| Storage temperature           | $T_{stg}$ | -40 to +100 | $^\circ\text{C}$ |

■ Lighting Color

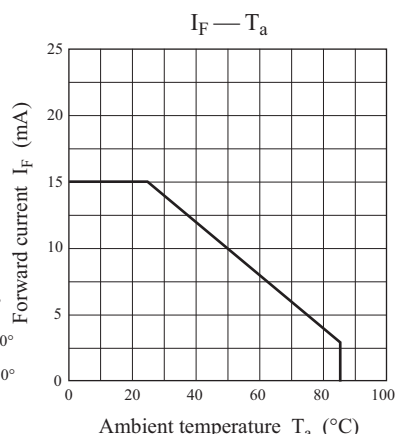
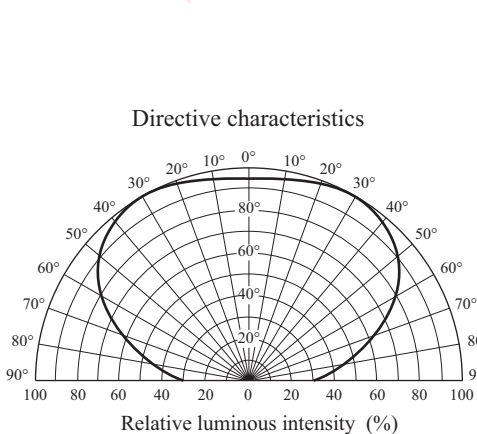
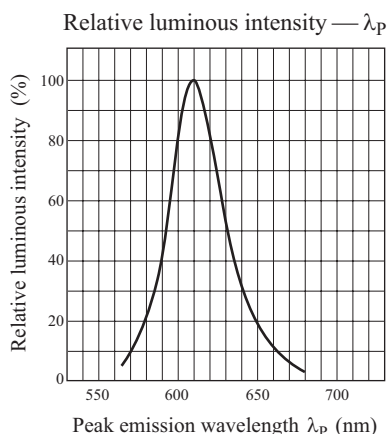
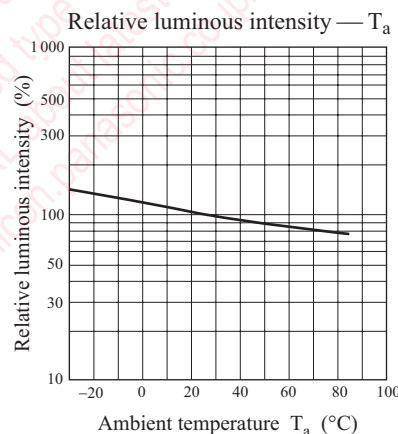
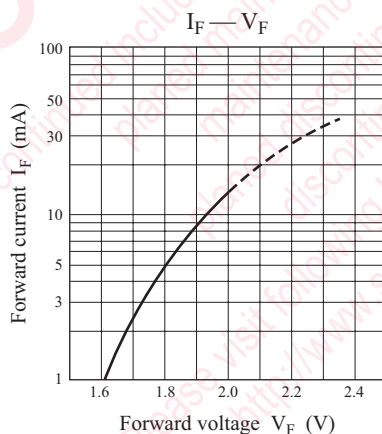
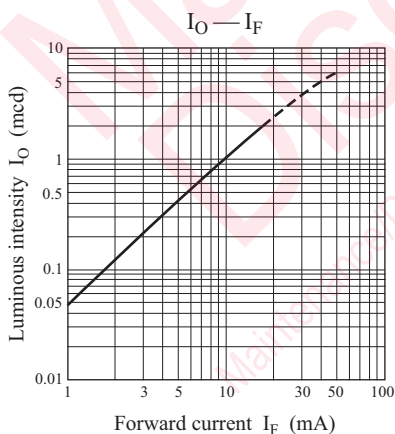
- Soft Orange

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

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

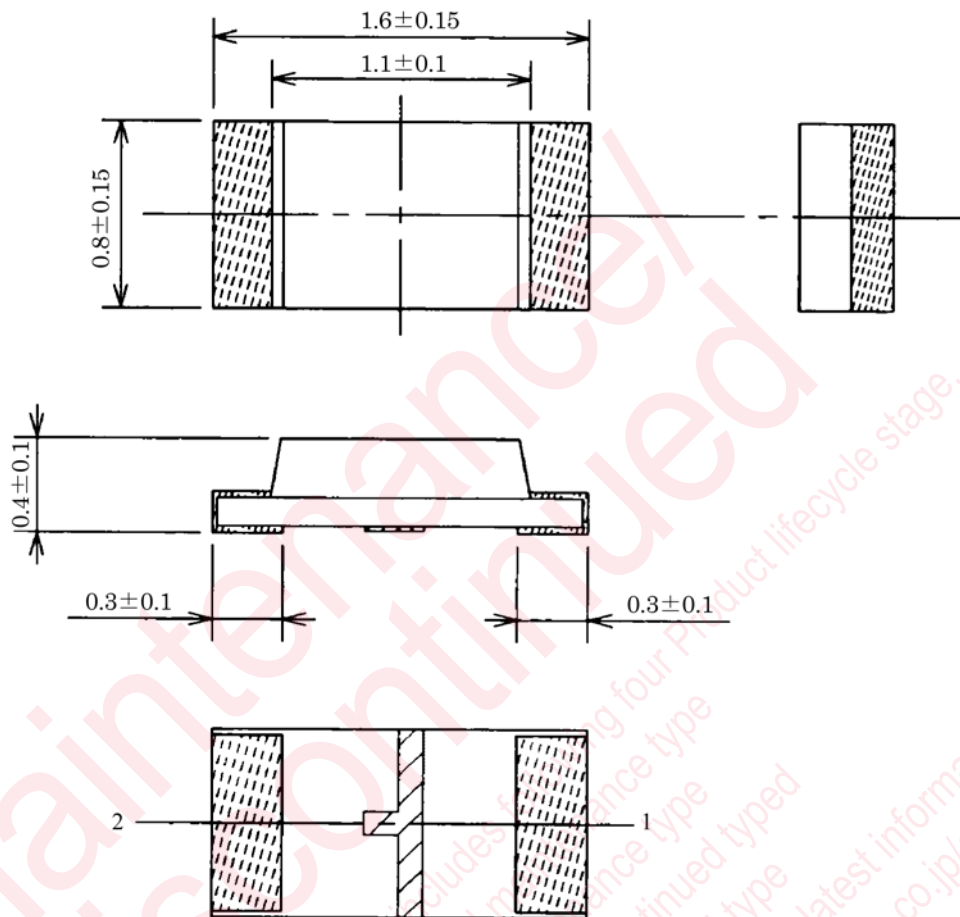
| Parameter                | Symbol          | Conditions            | Min | Typ  | Max | Unit          |
|--------------------------|-----------------|-----------------------|-----|------|-----|---------------|
| Luminous intensity *     | $I_O$           | $I_F = 10 \text{ mA}$ | 0.5 | 1.0  |     | mcd           |
| Reverse current          | $I_R$           | $V_R = 4 \text{ V}$   |     |      | 10  | $\mu\text{A}$ |
| Forward voltage          | $V_F$           | $I_F = 10 \text{ mA}$ |     | 1.93 | 2.6 | V             |
| Peak emission wavelength | $\lambda_p$     | $I_F = 10 \text{ mA}$ |     | 610  |     | nm            |
| Spectral half band width | $\Delta\lambda$ | $I_F = 10 \text{ mA}$ |     | 40   |     | nm            |

Note) \*: Measurement tolerance:  $\pm 20\%$



■ Package (Unit: mm)

KLTFTN2K1400



- Pin name
- 1: Anode
- 2: Cathode

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