

# LNJ115W8ARA

## Surface Mounting Chip LED

TSS-2 Type

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

- Yellow Green

| Parameter                     | Symbol    | Rating      | Unit             |
|-------------------------------|-----------|-------------|------------------|
| Power dissipation             | $P_D$     | 60          | mW               |
| Forward current               | $I_F$     | 20          | mA               |
| Pulse forward current *       | $I_{FP}$  | 60          | mA               |
| Reverse voltage               | $V_R$     | 4           | V                |
| Operating ambient temperature | $T_{opr}$ | -30 to +85  | $^\circ\text{C}$ |
| Storage temperature           | $T_{stg}$ | -40 to +100 | $^\circ\text{C}$ |

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

### ■ Lighting Color

- Yellow Green
- Orange

- Orange

| Parameter                     | Symbol    | Rating      | Unit             |
|-------------------------------|-----------|-------------|------------------|
| Power dissipation             | $P_D$     | 60          | mW               |
| Forward current               | $I_F$     | 20          | mA               |
| Pulse forward current *       | $I_{FP}$  | 60          | 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 | $^\circ\text{C}$ |

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

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

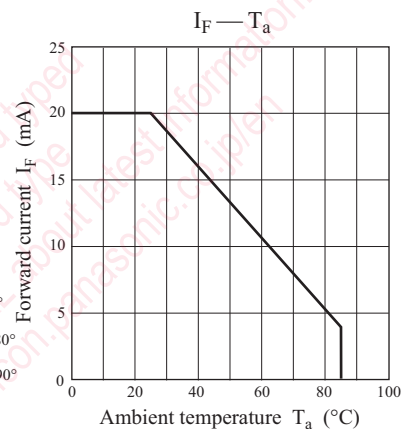
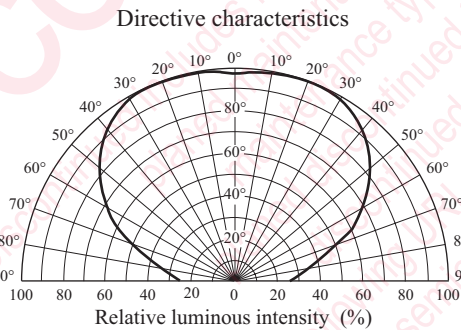
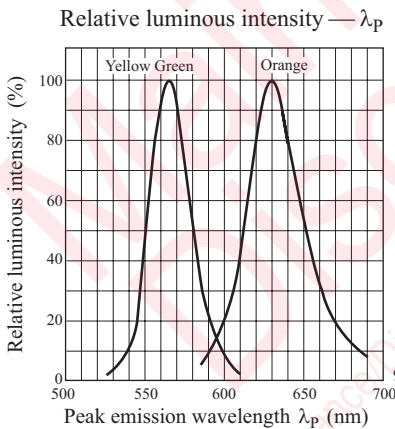
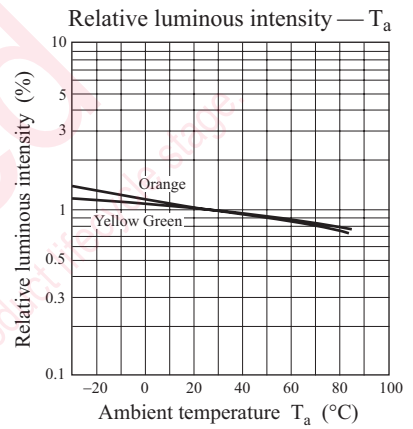
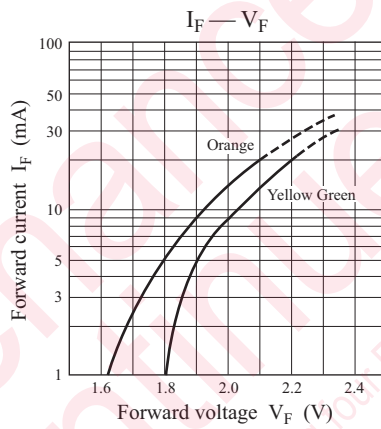
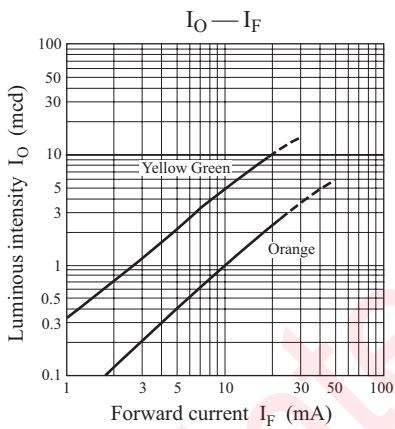
- Yellow Green

| Parameter                | Symbol          | Conditions           | Min | Typ  | Max | Unit          |
|--------------------------|-----------------|----------------------|-----|------|-----|---------------|
| Luminous intensity       | $I_O$           | $I_F = 10\text{ mA}$ | 1.8 | 5.0  |     | mcd           |
| Reverse current          | $I_R$           | $V_R = 4\text{ V}$   |     |      | 10  | $\mu\text{A}$ |
| Forward voltage          | $V_F$           | $I_F = 10\text{ mA}$ |     | 2.03 | 2.6 | V             |
| Peak emission wavelength | $\lambda_p$     | $I_F = 10\text{ mA}$ |     | 565  |     | nm            |
| Spectral half band width | $\Delta\lambda$ | $I_F = 10\text{ mA}$ |     | 30   |     | nm            |

■ Electro-Optical Characteristics (Continued)  $T_a = 25^\circ\text{C}$

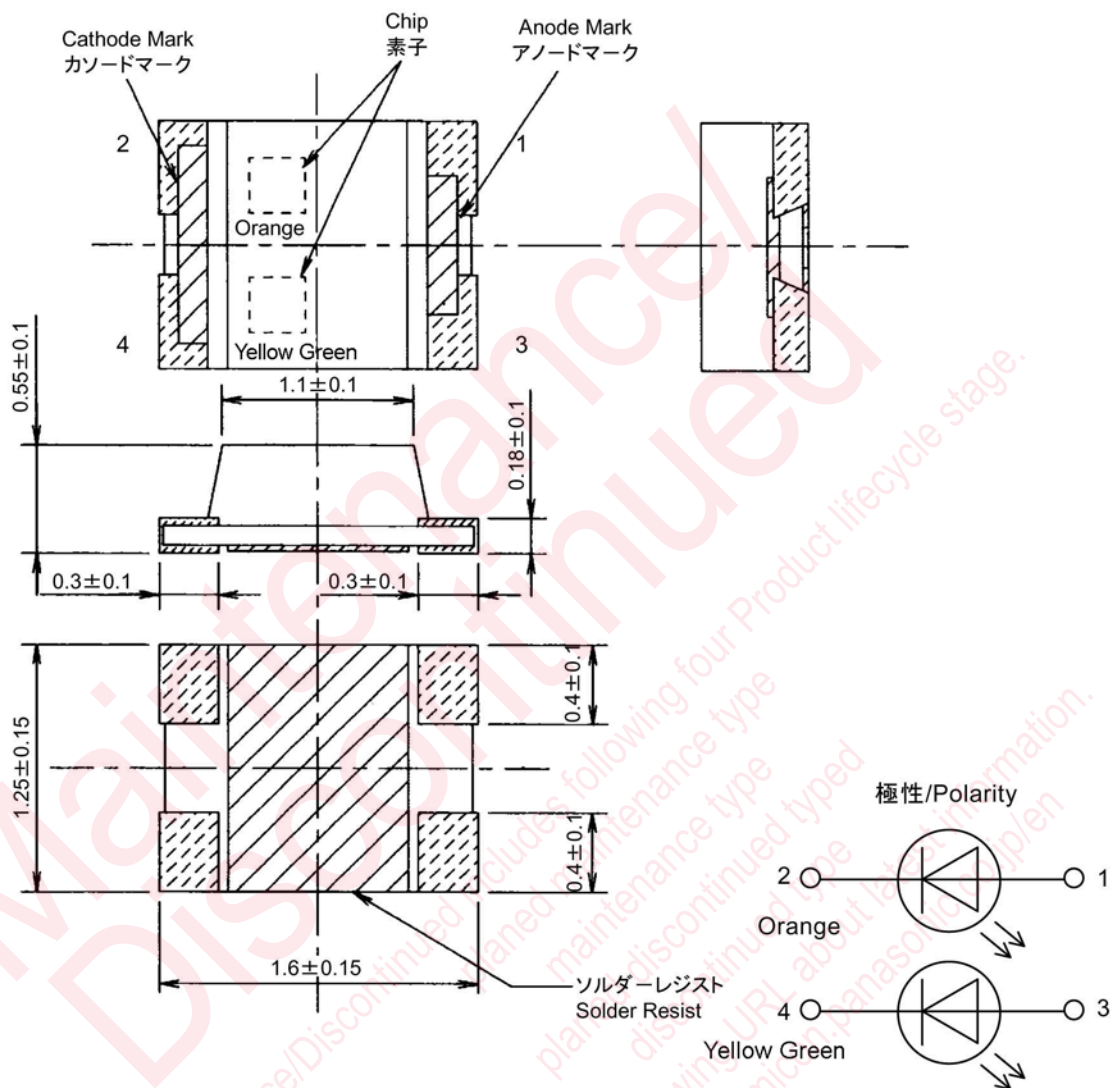
- Orange

| Parameter                | Symbol          | Conditions           | Min | Typ  | Max | Unit          |
|--------------------------|-----------------|----------------------|-----|------|-----|---------------|
| Luminous intensity       | $I_O$           | $I_F = 10\text{ mA}$ | 0.4 | 1.0  |     | mcd           |
| Reverse current          | $I_R$           | $V_R = 3\text{ V}$   |     |      | 10  | $\mu\text{A}$ |
| Forward voltage          | $V_F$           | $I_F = 10\text{ mA}$ |     | 1.93 | 2.6 | V             |
| Peak emission wavelength | $\lambda_p$     | $I_F = 10\text{ mA}$ |     | 630  |     | nm            |
| Spectral half band width | $\Delta\lambda$ | $I_F = 10\text{ mA}$ |     | 40   |     | nm            |



■ Package (Unit: mm)

**KLTFTN4K1540**



- Pin name
- 1, 3: Anode
- 2, 4: Cathode

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