# LNJ115W8RRA2

## Hight Bright Surface Mounting Chip LED

### TSS-2 Type

### ■ Absolute Maximum Ratings $T_a = 25$ °C

#### Green

| Parameter                     | Symbol           | Rating      | Unit |  |
|-------------------------------|------------------|-------------|------|--|
| Power dissipation             | $P_{D}$          | 55          | mW   |  |
| Forward current               | $I_{\mathrm{F}}$ | 20          | mA   |  |
| Pulse forward current *       | $I_{FP}$         | 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   |  |

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

#### • Soft Orange

| Parameter                     | Symbol           | Rating      | Unit |  |
|-------------------------------|------------------|-------------|------|--|
| Power dissipation             | P <sub>D</sub>   | 55          | mW   |  |
| Forward current               | $I_{\mathrm{F}}$ | 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   |  |

Note) \*: The condition of I<sub>FP</sub> is duty 10%, Pulse width 1 msec.

### ■ Electro-Optical Characteristics $T_a = 25^{\circ}C\pm3^{\circ}C$

#### • Green

| Parameter                    | Symbol           | Conditions            | Min | Тур  | Max  | Unit |
|------------------------------|------------------|-----------------------|-----|------|------|------|
| Luminous intensity *         | I <sub>O</sub>   | $I_F = 10 \text{ mA}$ | 9   | 15   |      | mcd  |
| Reverse current              | I <sub>R</sub>   | $V_R = 4 V$           |     |      | 100  | μΑ   |
| Forward voltage              | V <sub>F</sub>   | $I_F = 10 \text{ mA}$ |     | 2.03 | 2.50 | V    |
| Peak emission wavelength     | $\lambda_{ m P}$ | $I_F = 10 \text{ mA}$ |     | 575  |      | nm   |
| Dominant emission wavelength | $\lambda_{ m d}$ | $I_F = 10 \text{ mA}$ |     | 572  |      | nm   |
| Spectral half band width     | Δλ               | $I_F = 10 \text{ mA}$ |     | 15   |      | nm   |

Note) \*: Measurement tolerance: ±20%

#### • Soft Orange

| Parameter                    | Symbol                 | Conditions            | Min | Тур  | Max  | Unit |
|------------------------------|------------------------|-----------------------|-----|------|------|------|
| Luminous intensity *         | I <sub>O</sub>         | $I_F = 10 \text{ mA}$ | 12  | 18   |      | mcd  |
| Reverse current              | $I_R$                  | $V_R = 4 V$           |     |      | 100  | μА   |
| Forward voltage              | V <sub>F</sub>         | $I_F = 10 \text{ mA}$ |     | 1.92 | 2.50 | V    |
| Peak emission wavelength     | $\lambda_{\mathrm{P}}$ | $I_F = 10 \text{ mA}$ |     | 610  |      | nm   |
| Dominant emission wavelength | $\lambda_{\mathrm{d}}$ | $I_F = 10 \text{ mA}$ |     | 605  |      | nm   |
| Spectral half band width     | Δλ                     | $I_F = 10 \text{ mA}$ |     | 15   |      | nm   |

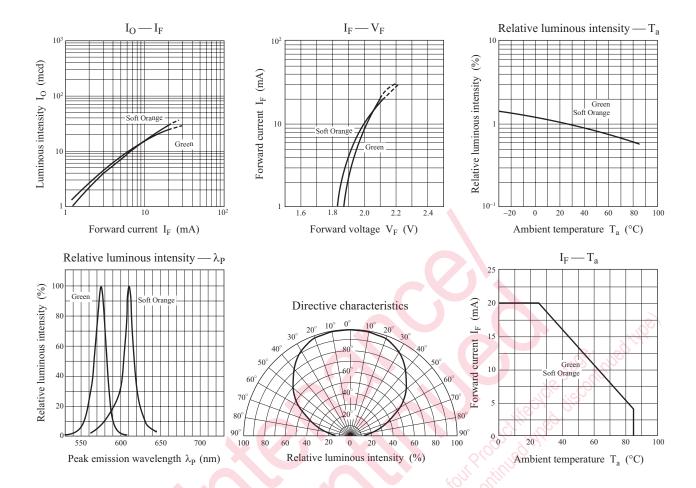
Note) \*: Measurement tolerance: ±20%

### ■ Lighting Color

- Green
- Soft Orange

LNJ115W8RRA2

## **Panasonic**

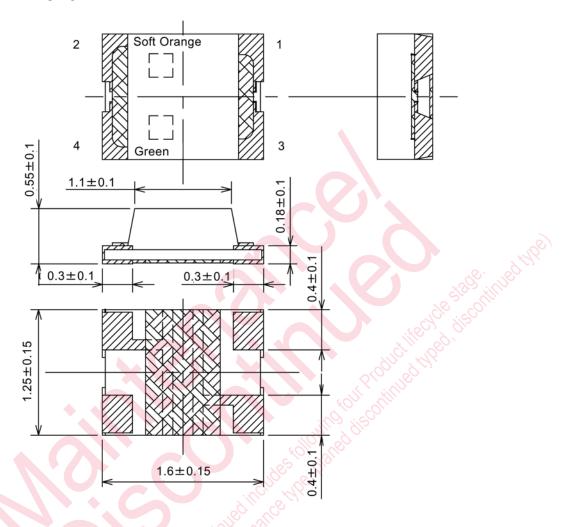


2 Ver. AEK

Panasonic LNJ115W8RRA2

■ Package (Unit: mm)

## KLTFTN4K1540



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

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