Surface Mounting Chip LED

TSS Bi-Color Type

Conventional Part No. Global Prat No. Lighting Color LNJ115W89RA ······· LNJ115W89RA ······ Green /

Ultra Bright Soft Orange

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

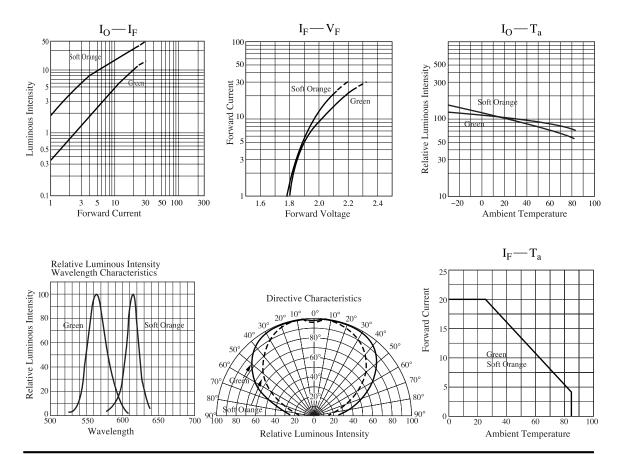
| Lighting Color | P _D (mW) | l _F (mA) | I _{FP} (mA)* | $V_{R}(V)$ | T _{opr} (°C) | T _{stg} (°C) |
|--------------------------|---------------------|---------------------|-----------------------|------------|-----------------------|-----------------------|
| Green | 60 | 20 | 60 | 4 | -30 ~ +85 | -40 ~ +100 |
| Ultra Bright Soft Orange | 55 | 20 | 60 | 3 | $-30 \sim +85$ | $-40 \sim +100$ |

Pulse width 1 msec. The condition of IFP is duty 10%, Pulse width 1 msec

Unit: mm ÷ 0.1 0.18 ± 0.1 1.0 ± 0.1 1.0 ± 0.1 0.3 ± 0.1 0.3 ± 0.1 $0.4 \pm 0.$ $.25 \pm 0.15$ 0.4 ± 0.1 1.6 ± 0.15 2 o • 1 Ultra Bright Soft Orange 1: Anode 2: Cathode 3: Anode 4 o 4 **⊸** 3 Green 4: Cathode

Electro–Optical Characteristics ($T_a = 25^{\circ}C$)

| Conventional | Lighting | Lens Color | Ι _ο | | | V _F | | λ _P | Δλ | I _R | | R |
|--------------|-----------------------------|----------------|----------------|-----|----------------|----------------|-----|----------------|-----|----------------|-----|-------|
| Part No. | Color | Long Color | Тур | Min | I _F | Тур | Max | Тур | Тур | I _F | Max | V_R |
| LNJ115W89RA | Green | White Diffused | 5.0 | 1.8 | 10 | 2.03 | 2.6 | 565 | 30 | 10 | 10 | 4 |
| | Ultra Bright Soft Orange | | 21 | 7 | 10 | 1.95 | 2.5 | 615 | 20 | 10 | 100 | 4 |
| Unit | — | | mcd | mcd | mA | V | V | nm | nm | mA | μA | V |



▲ Caution for Safety



Gallium arsenide material (GaAs) is used in this product.

Therefore, do not burn, destroy, cut, crush, or chemically decompose the product, since gallium arsenide material in powder or vapor form is harmful to human health.

Observe the relevant laws and regulations when disposing of the products. Do not mix them with ordinary industrial waste or household refuse when disposing of GaAs-containing products.

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