

# Surface Mounting Chip LED

Conventional Part No.      Global Part No.      Lighting Color  
 LNJ015W8BRAV ..... LNJ015W8BRAV ..... White

## Absolute Maximum Ratings ( $T_a = 25 \pm 3^\circ\text{C}$ )

| Lighting Color | P(mW) | $I_{\text{FDC}}$ (mA) | $I_{\text{FP}}$ (mA)* | $I_{\text{RDC}}$ (mA) | $T_{\text{opr}}$ ( $^\circ\text{C}$ ) | $T_{\text{stg}}$ ( $^\circ\text{C}$ ) |
|----------------|-------|-----------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|
| White          | 55    | 15                    | 50                    | 100                   | -30 ~ +85                             | -40 ~ +100                            |

\*1 The conditions of IFP is pulse width 1 ms duty of 10 %.

## Main Specification

| Item                  | Symbol | Condition                | Typ | Limit |       | Unit |
|-----------------------|--------|--------------------------|-----|-------|-------|------|
|                       |        |                          |     | Min   | Max   |      |
| Forward Voltage       | $V_F$  | $I_F = 10 \text{ mA}$    | 3.2 |       | 3.7   | V    |
| Reverse Voltage       | $V_R$  | $I_R = 10 \text{ mA}$    | 0.9 |       | 1.3   | V    |
| Luminous Intensity    | $I_O$  | $I_F = 10 \text{ mA DC}$ | 90  | 60    |       | mcd  |
| Chromatic coordinates | x      | $I_F = 10 \text{ mA DC}$ | -   | 0.255 | 0.315 | -    |
|                       | y      | $I_F = 10 \text{ mA DC}$ | -   | 0.250 | 0.405 | -    |

