

Surface Mounting Chip LED

SS Type

| Conventional Part No. | Global Part No. | Lighting Color |
|-----------------------|-----------------|----------------|
| LNJ208R8ARA | LNJ208R8ARA | Red |
| LNJ308G8LRA | LNJ308G8LRA | Green |
| LNJ308G8TRA | LNJ308G8TRA | Green |
| LNJ408K8YRA | LNJ408K8YRA | Amber |
| LNJ408K8ZRA | LNJ408K8ZRA | Amber |
| LNJ808R8ERA | LNJ808R8ERA | Orange |
| LNJ808K8SRA | LNJ808K8SRA | Soft Orange |

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

| Lighting Color | P_D (mW) | I_F (mA) | I_{FP} (mA) ^a | V_R (V) | T_{opr} ($^\circ\text{C}$) | T_{stg} ($^\circ\text{C}$) |
|----------------|------------|------------|----------------------------|-----------|--------------------------------|--------------------------------|
| Red | 50 | 20 | 100 | 3 | -30 ~ +85 | -40 ~ +100 |
| Green | 30 | 10 | 50 | 4 | -30 ~ +85 | -40 ~ +100 |
| Green | 50 | 20 | 100 | 4 | -30 ~ +85 | -40 ~ +100 |
| Amber | 50 | 20 | 100 | 4 | -30 ~ +85 | -40 ~ +100 |
| Amber | 30 | 10 | 50 | 4 | -30 ~ +85 | -40 ~ +100 |
| Orange | 30 | 10 | 50 | 3 | -30 ~ +85 | -40 ~ +100 |
| Soft Orange | 50 | 20 | 100 | 3 | -30 ~ +85 | -40 ~ +100 |

^a I_{FP} の条件は duty 10% Pulse width 1 msec. The condition of I_{FP} is duty 10%, Pulse width 1 msec

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

| Conventional Part No. | Lighting Color | Lens Color | I_O | | | V_F | | λ_P | $\Delta\lambda$ | I_F | I_R | |
|-----------------------|----------------|-----------------|-------|-----|-------|-------|-----|-------------|-----------------|-------|---------------|-------|
| | | | Typ | Min | I_F | Typ | Max | | | | Max | V_R |
| LNJ208R8ARA | Red | Red Diffused | 6.7 | 2.2 | 10 | 1.72 | 2.5 | 660 | 20 | 10 | 100 | 3 |
| LNJ308G8LRA | Green | Green Diffused | 3.0 | 1.5 | 5 | 1.9 | 2.4 | 565 | 30 | 5 | 10 | 4 |
| LNJ308G8TRA | Green | Green Diffused | 5.0 | 1.8 | 10 | 2.03 | 2.6 | 565 | 30 | 10 | 10 | 4 |
| LNJ408K8YRA | Amber | Yellow Diffused | 1.5 | 0.6 | 10 | 2.0 | 2.6 | 590 | 30 | 10 | 10 | 4 |
| LNJ408K8ZRA | Amber | Yellow Diffused | 0.9 | 0.4 | 5 | 1.9 | 2.4 | 590 | 30 | 5 | 10 | 4 |
| LNJ808R8ERA | Orange | Orange Diffused | 1.1 | 0.4 | 5 | 1.8 | 2.4 | 630 | 40 | 5 | 10 | 3 |
| LNJ808K8SRA | Soft Orange | Yellow Diffused | 1.0 | 0.4 | 10 | 1.93 | 2.6 | 610 | 40 | 10 | 10 | 3 |
| Unit | — | — | mcd | mcd | mA | V | V | nm | nm | mA | μA | V |

