

# Surface Mounting Chip LED

## S – J Type

| Conventional Part No. | Global Part No. | Lighting Color   |
|-----------------------|-----------------|------------------|
| LNJ206R5RRX           | LNJ206R5RRX     | Red              |
| LNJ206R5ARA           | LNJ206R5ARA     | Ultra Bright Red |
| LNJ306G5URA           | LNJ306G5URA     | Green            |
| LNJ806K5SRX           | LNJ806K5SRX     | Soft Orange      |

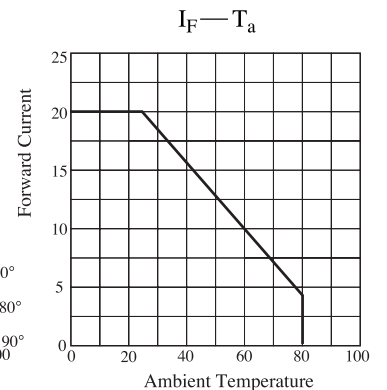
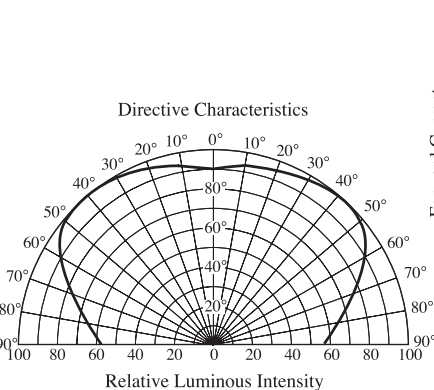
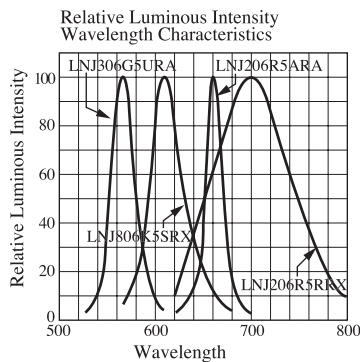
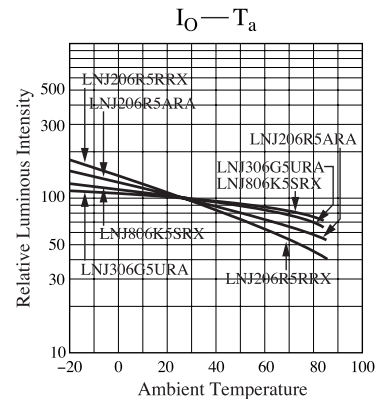
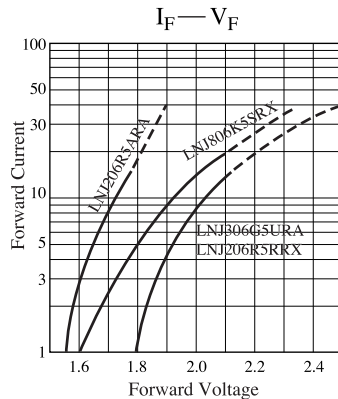
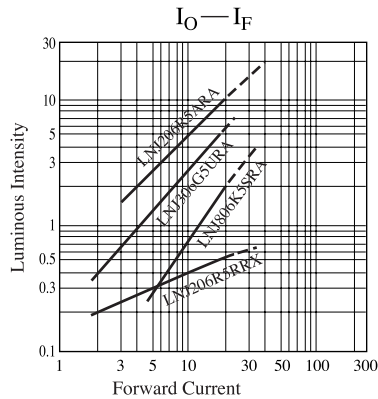
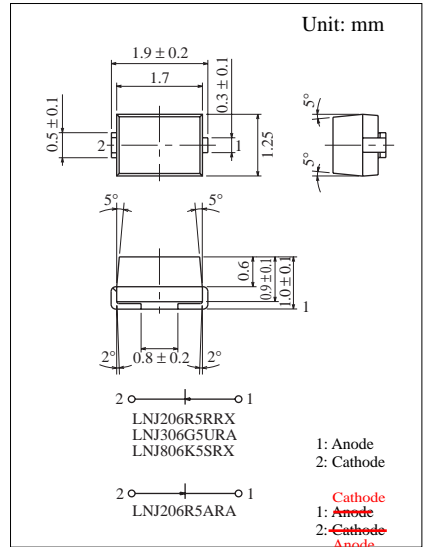
### ■ Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

| Lighting Color   | $P_D$ (mW) | $I_F$ (mA) | $I_{FP}$ (mA) <sup>a</sup> | $V_R$ (V) | $T_{opr}$ ( $^\circ\text{C}$ ) | $T_{stg}$ ( $^\circ\text{C}$ ) |
|------------------|------------|------------|----------------------------|-----------|--------------------------------|--------------------------------|
| Red              | 60         | 20         | 60                         | 4         | -25 ~ +85                      | -30 ~ +100                     |
| Ultra Bright Red | 60         | 20         | 60                         | 3         | -25 ~ +85                      | -30 ~ +100                     |
| Green            | 60         | 20         | 60                         | 4         | -25 ~ +85                      | -30 ~ +100                     |
| Soft Orange      | 60         | 20         | 60                         | 3         | -25 ~ +85                      | -30 ~ +100                     |

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      | $I_O$ |      | $I_F$ | $V_F$ |     | $\lambda_P$ | $\Delta\lambda$ | $I_F$ | $I_R$         |       |
|-----------------------|------------------|-----------------|-------|------|-------|-------|-----|-------------|-----------------|-------|---------------|-------|
|                       |                  |                 | Typ   | Min  |       | Typ   | Max |             |                 |       | Max           | $V_R$ |
| LNJ206R5RRX           | Red              | Red Diffused    | 0.4   | 0.15 | 10    | 2.03  | 2.6 | 700         | 100             | 10    | 5             | 4     |
| LNJ206R5ARA           | Ultra Bright Red | Red Diffused    | 5.0   | 1.7  | 10    | 1.72  | 2.5 | 660         | 20              | 10    | 10            | 3     |
| LNJ306G5URA           | Green            | Green Diffused  | 2.6   | 0.9  | 10    | 2.03  | 2.6 | 565         | 30              | 10    | 10            | 4     |
| LNJ806K5SRX           | Soft Orange      | Yellow Diffused | 0.8   | 0.3  | 10    | 1.93  | 2.6 | 610         | 40              | 10    | 10            | 3     |
| Unit                  | —                | —               | mcd   | mcd  | mA    | V     | V   | nm          | nm              | mA    | $\mu\text{A}$ | V     |



# Caution for Safety

 **DANGER**

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.

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