

Surface Mounting Chip Led

J Type

| Conventional Part No. | Global Part No. | Lighting Color |
|-----------------------|-----------------|----------------|
| LN1251C - (TR) | LNJ251C4RRA | Red |
| LN1351C - (TR) | LNJ351C4GRA | Green |
| LN1451C - (TR) | LNJ451C4XRA | Amber |
| LN1851C - (TR) | LNJ851C4DRA | Orange |

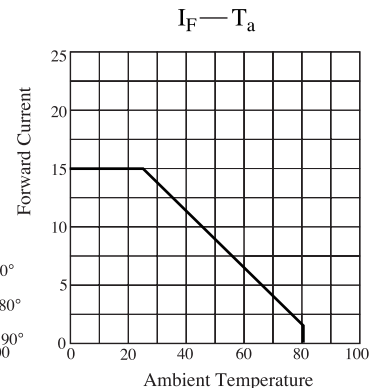
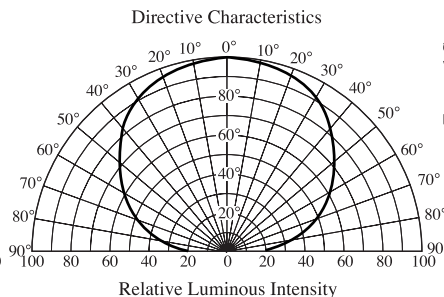
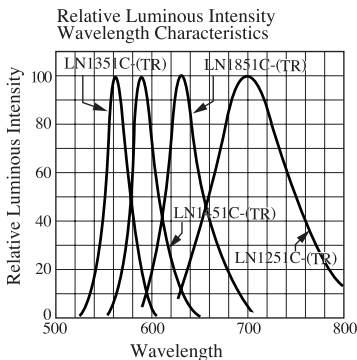
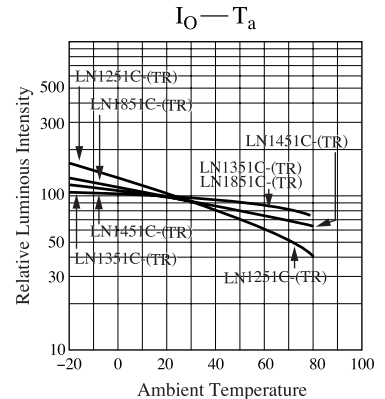
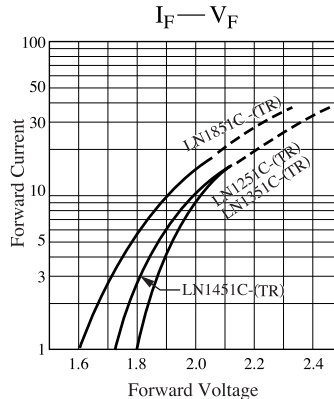
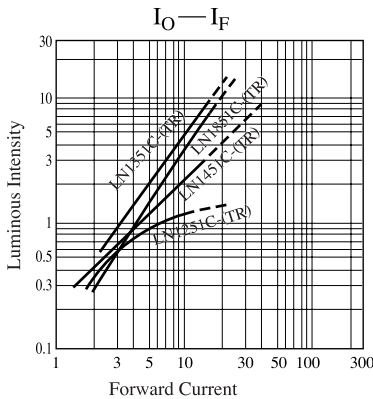
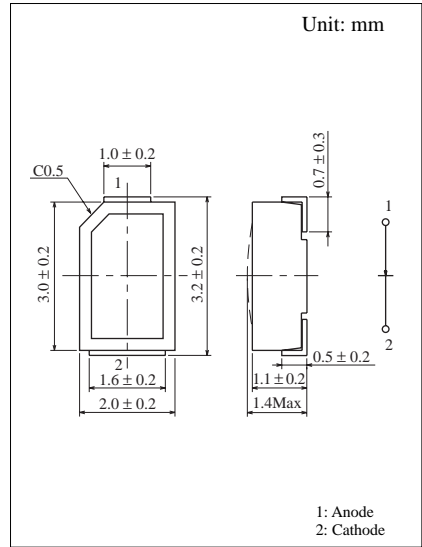
Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

| Lighting Color | P_D (mW) | I_F (mA) | I_{FP} (mA)* | V_R (V) | T_{opr} ($^\circ\text{C}$) | T_{stg} ($^\circ\text{C}$) |
|----------------|------------|------------|----------------|-----------|--------------------------------|--------------------------------|
| Red | 45 | 15 | 60 | 4 | -25 ~ +80 | -30 ~ +85 |
| Green | 45 | 15 | 60 | 4 | -25 ~ +80 | -30 ~ +85 |
| Amber | 45 | 15 | 60 | 4 | -25 ~ +80 | -30 ~ +85 |
| Orange | 45 | 15 | 60 | 3 | -25 ~ +80 | -30 ~ +85 |

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 | | λ_P | $\Delta\lambda$ | I_F | I_R | |
|-----------------------|----------------|------------|-------|------|-------|-------|-----|-------------|-----------------|-------|---------------|-------|
| | | | Typ | Min | | Typ | Max | | | | Max | V_R |
| LN1251C - (TR) | Red | Clear | 1.2 | 0.45 | 10 | 2.1 | 2.8 | 700 | 100 | 15 | 5 | 4 |
| LN1351C - (TR) | Green | Clear | 5.0 | 1.9 | 10 | 2.1 | 2.8 | 565 | 30 | 15 | 10 | 4 |
| LN1451C - (TR) | Amber | Clear | 2.2 | 0.8 | 10 | 2.1 | 2.8 | 590 | 30 | 15 | 10 | 4 |
| LN1851C - (TR) | Orange | Clear | 3.5 | 1.3 | 10 | 2.05 | 2.8 | 630 | 40 | 15 | 10 | 3 |
| Unit | — | — | mcd | mcd | mA | V | V | nm | nm | mA | μA | 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.

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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