

Surface Mounting Chip LED

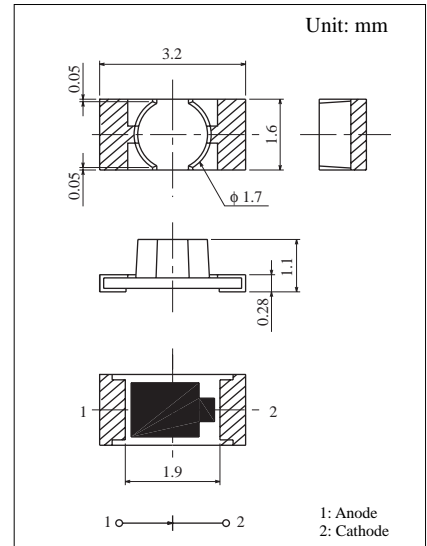
Through-The-Board Type

Conventional Part No. Global Part No. Lighting Color
 LNJ211R8ARU LNJ211R8ARU Red
 LNJ311G8TRU LNJ311G8TRU Green
 LNJ411K8YRU LNJ411K8YRU Amber

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

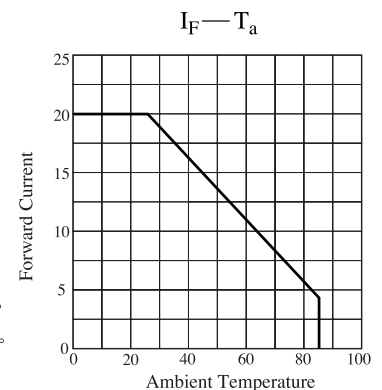
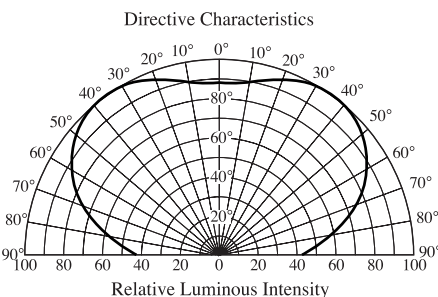
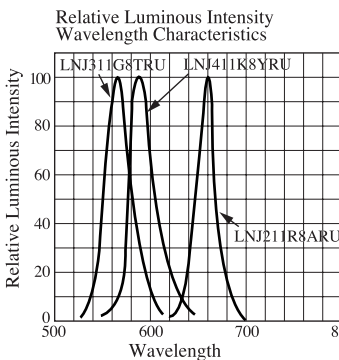
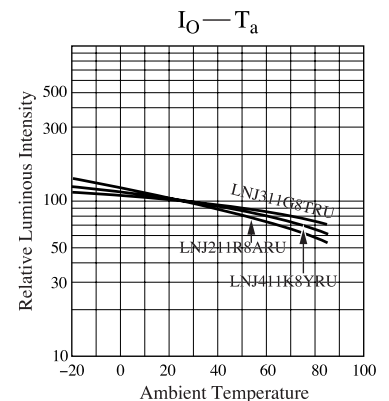
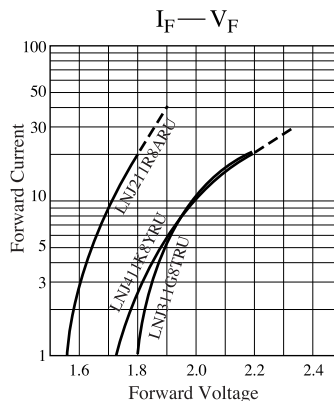
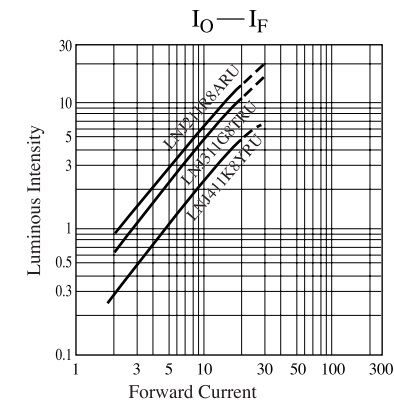
| Lighting Color | P_D (mW) | I_F (mA) | I_{FP} (mA)* | V_R (V) | T_{opr} ($^\circ\text{C}$) | T_{stg} ($^\circ\text{C}$) |
|----------------|------------|------------|----------------|-----------|--------------------------------|--------------------------------|
| Red | 60 | 20 | 100 | 3 | -30 ~ +85 | -40 ~ +100 |
| Green | 60 | 20 | 100 | 4 | -30 ~ +85 | -40 ~ +100 |
| Amber | 60 | 20 | 100 | 4 | -30 ~ +85 | -40 ~ +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 | | λ_p | $\Delta\lambda$ | I_F | I_R | |
|-----------------------|----------------|-----------------|-------|------|-------|-------|-----|-------------|-----------------|-------|---------------|-------|
| | | | Typ | Min | | Typ | Max | | | | Max | V_R |
| LNJ211R8ARU | Red | Red Diffused | 7.0 | 2.3 | 10 | 1.72 | 2.5 | 660 | 20 | 10 | 100 | 3 |
| LNJ311G8TRU | Green | Green Diffused | 5.5 | 1.8 | 10 | 2.03 | 2.6 | 565 | 30 | 10 | 10 | 4 |
| LNJ411K8YRU | Amber | Yellow Diffused | 2.2 | 0.75 | 10 | 2.0 | 2.6 | 590 | 30 | 10 | 10 | 4 |
| 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.

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