

# Surface Mounting Chip LED

## GW Type

Conventional Part No. Global Part No. Lighting Color

LN1261C – (TR) ..... LN1261C3RRA ..... Red

LN1361C – (TR) ..... LN1361C3GRA ..... Green

LN1461C – (TR) ..... LN1461C3XRA ..... Amber

LN1861C – (TR) ..... LN1861C3DRA ..... Orange

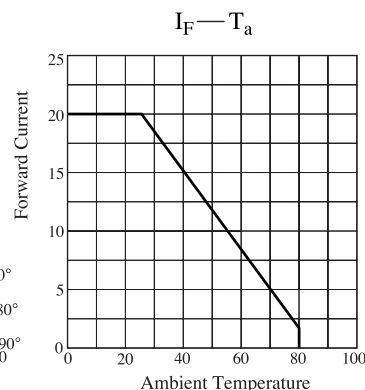
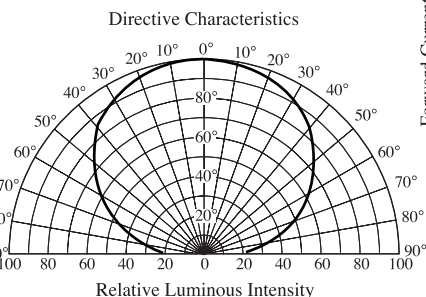
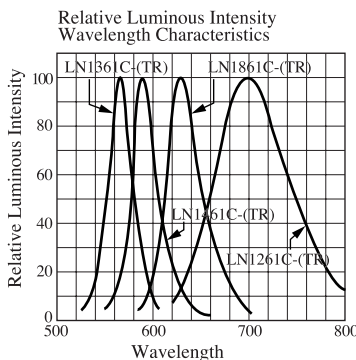
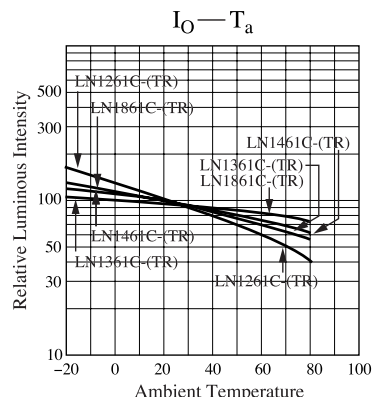
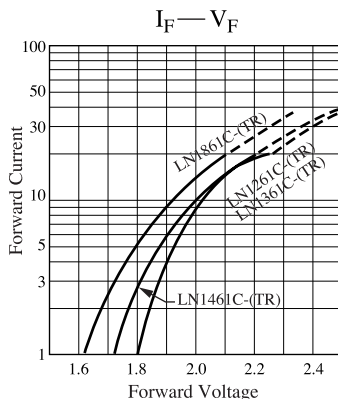
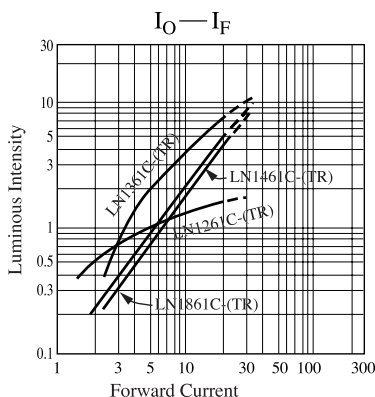
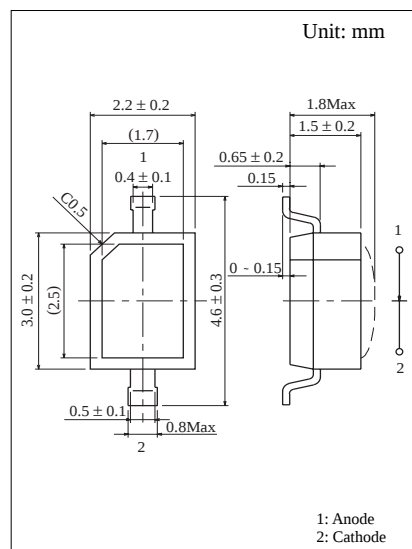
### ■ Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

| 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            | 60         | 20         | 60             | 4         | -25 ~ +80                      | -30 ~ +85                      |
| Green          | 60         | 20         | 60             | 4         | -25 ~ +80                      | -30 ~ +85                      |
| Amber          | 60         | 20         | 60             | 4         | -25 ~ +80                      | -30 ~ +85                      |
| Orange         | 60         | 20         | 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 | $I_O$ |     | $I_F$ | $V_F$ |     | $\lambda_p$ | $\Delta\lambda$ | $I_F$ | $I_R$         |       |
|-----------------------|----------------|------------|-------|-----|-------|-------|-----|-------------|-----------------|-------|---------------|-------|
|                       |                |            | Typ   | Min |       | Typ   | Max |             |                 |       | Max           | $V_R$ |
| LN1261C – (TR)        | Red            | Clear      | 1.4   | 0.5 | 15    | 2.2   | 2.8 | 700         | 100             | 20    | 5             | 4     |
| LN1361C – (TR)        | Green          | Clear      | 7.5   | 2.8 | 20    | 2.2   | 2.8 | 565         | 30              | 20    | 10            | 4     |
| LN1461C – (TR)        | Amber          | Clear      | 4.5   | 1.6 | 20    | 2.2   | 2.8 | 590         | 30              | 20    | 10            | 4     |
| LN1861C – (TR)        | Orange         | Clear      | 5.0   | 1.9 | 20    | 2.1   | 2.8 | 630         | 40              | 20    | 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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