### Minibright LED Series

 Conventional Part No.
 Global Prat No.
 Lighting Color

 LN01201C(Q)
 LNG201C2RT
 Red

 LN01301C(Q)
 LNG301C2GT
 Green

 LN01401C(Q)
 LNG401C2XT
 Amber

 LN01801C(Q)
 LNG801C2DT
 Orange

#### ■ Absolute Maximum Ratings (T<sub>a</sub> = 25°C)

| Lighting Color | P <sub>D</sub> (mW) | I <sub>F</sub> (mA) | I <sub>FP</sub> (mA)* | $V_R(V)$ | T <sub>opr</sub> (°C)   | T <sub>stg</sub> (°C) |
|----------------|---------------------|---------------------|-----------------------|----------|-------------------------|-----------------------|
| Red            | 60                  | 20                  | 100                   | 4        | <b>−25 ~ +85</b>        | -30 ~ +100            |
| Green          | 60                  | 20                  | 100                   | 4        | -25 ~ +85               | -30 ~ +100            |
| Amber          | 60                  | 20                  | 100                   | 4        | -25 ~ +85               | -30 ~ +100            |
| Orange         | 60                  | 20                  | 100                   | 3        | <b>−25</b> ~ <b>+85</b> | -30 ~ +100            |

Pulse width 1 msec. The condition of  $I_{\text{FP}}$  is duty 10%, Pulse width 1 msec

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

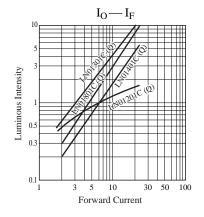
| Conventional | Lighting | Lens Color | Io   |      |                | V <sub>F</sub> |     | $\lambda_{P}$ | Δλ  |                | I <sub>R</sub> |       |
|--------------|----------|------------|------|------|----------------|----------------|-----|---------------|-----|----------------|----------------|-------|
| Part No.     | Color    | Lens Color | Тур  | Min  | I <sub>F</sub> | Тур            | Max | Тур           | Тур | I <sub>F</sub> | Max            | $V_R$ |
| LN01201C(Q)  | Red      | Clear      | 1.5  | 0.65 | 15             | 2.2            | 2.8 | 700           | 100 | 20             | 10             | 4     |
| LN01301C(Q)  | Green    | Clear      | 10.0 | 3.50 | 20             | 2.2            | 2.8 | 565           | 30  | 20             | 10             | 4     |
| LN01401C(Q)  | Amber    | Clear      | 5.0  | 1.90 | 20             | 2.2            | 2.8 | 590           | 30  | 20             | 10             | 4     |
| LN01801C(Q)  | Orange   | Clear      | 8.0  | 3.00 | 20             | 2.1            | 2.8 | 630           | 40  | 20             | 10             | 3     |
| Unit         |          |            | mcd  | mcd  | mA             | V              | V   | nm            | nm  | mA             | μA             | V     |

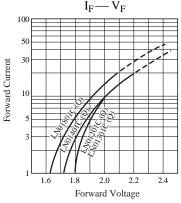
.8 Max. NOT SOLDERED

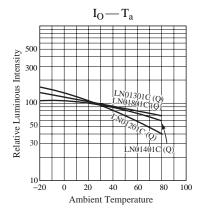
 $3.0 \pm 0.2 \quad 3.4 \pm 0.2$ 

2Min 2.8 ± 0.2

2Min

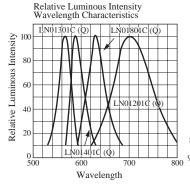


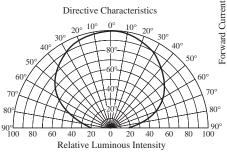


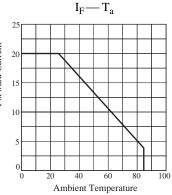


Unit: mm

1: Anode 2: Cathode







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# Caution for Safety



## 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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