

# Round Type

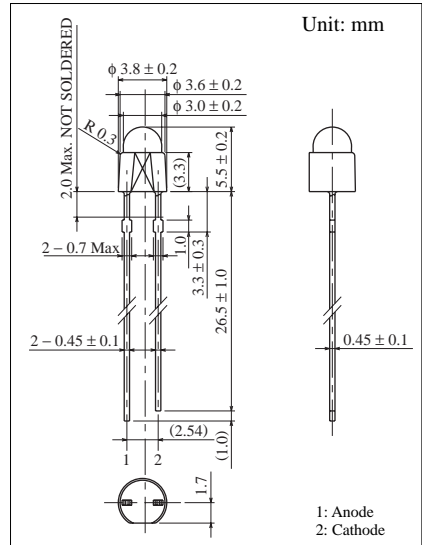
## φ 3.0 mm InGaAlP

Conventional Part No.      Global Part No.      Lighting Color  
 LNG897CK8 ..... LNG897CK8 ..... Orange  
 LNG497CK4 ..... LNG497CK4 ..... Amber

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

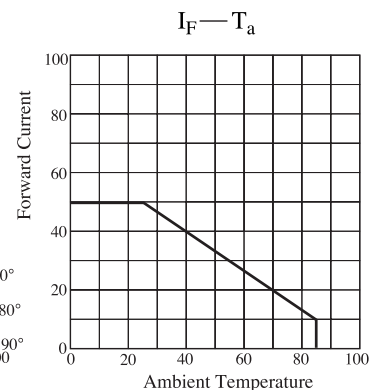
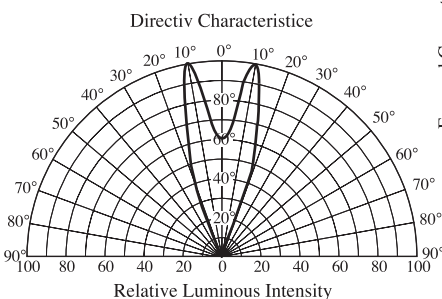
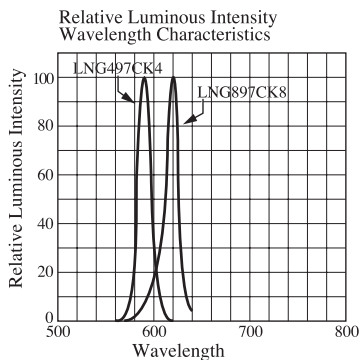
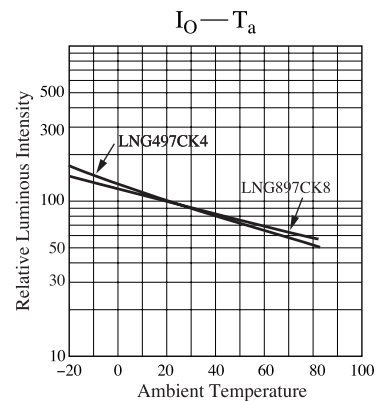
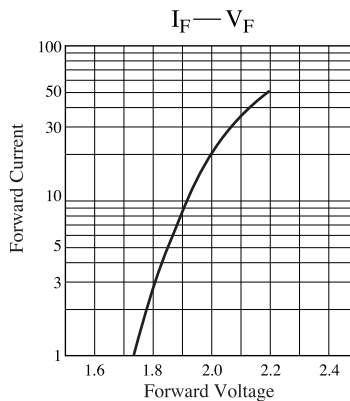
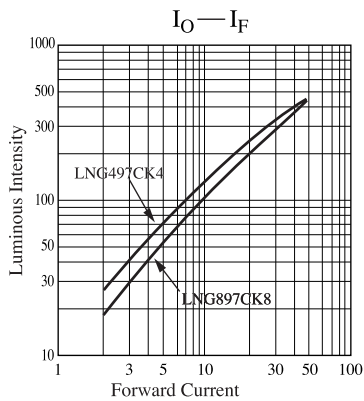
| Lighting Color | P <sub>D</sub> (mW) | I <sub>F</sub> (mA) | V <sub>R</sub> (V) | T <sub>opr</sub> (°C) | T <sub>stg</sub> (°C) |
|----------------|---------------------|---------------------|--------------------|-----------------------|-----------------------|
| Orange         | 120                 | 50                  | 4                  | -25 ~ +85             | -30 ~ +100            |
| Amber          | 120                 | 50                  | 4                  | -25 ~ +85             | -30 ~ +100            |

Pulse width 1 msec. The condition of I<sub>FP</sub> is duty 10%, Pulse width 1 msec



### ■ Electro-Optical Characteristics (T<sub>a</sub> = 25°C)

| Conventional Part No. | Lighting Color | Lens Color | I <sub>O</sub> |     | I <sub>F</sub> | V <sub>F</sub> |     | λ <sub>P</sub> | Δλ  | I <sub>F</sub> | I <sub>R</sub> |                |
|-----------------------|----------------|------------|----------------|-----|----------------|----------------|-----|----------------|-----|----------------|----------------|----------------|
|                       |                |            | Typ            | Min |                | Typ            | Max | Typ            | Typ |                | Max            | V <sub>R</sub> |
| LNG897CK8             | Orange         | Clear      | 200            | 110 | 20             | 2.0            | 2.4 | 620            | 17  | 20             | 100            | 4              |
| LNG497CK4             | Amber          | Clear      | 260            | 130 | 20             | 2.1            | 2.4 | 595            | 15  | 20             | 100            | 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.

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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