# LNJ276CK2AA

### Round Type

 $\phi 3.2 \ mm$ 

#### Absolute Maximum Ratings $T_a = 25^{\circ}C$

| Parameter                     | Symbol           | Rating      | Unit |  |
|-------------------------------|------------------|-------------|------|--|
| Power dissipation             | P <sub>D</sub>   | 80          | mW   |  |
| Forward current               | I <sub>F</sub>   | 30          | mA   |  |
| Pulse forward current *       | I <sub>FP</sub>  | 100         | mA   |  |
| Reverse voltage               | V <sub>R</sub>   | 4           | V    |  |
| Operating ambient temperature | T <sub>opr</sub> | -25 to +85  | °C   |  |
| Storage temperature           | T <sub>stg</sub> | -30 to +100 | °C   |  |

Lighting Color

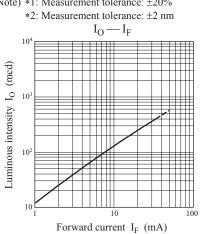
• Red

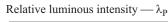
Note) \*: The condition of  $I_{FP}$  is duty 10%, Pulse width 1 msec.

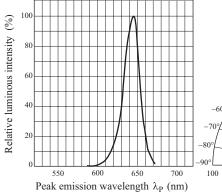
#### Electro-Optical Characteristics $T_a = 25^{\circ}C$

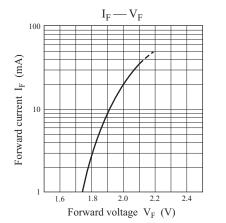
| Parameter                       | Symbol                 | Conditions            | Min | Тур | Max | Unit |
|---------------------------------|------------------------|-----------------------|-----|-----|-----|------|
| Luminous intensity *1           | Io                     | $I_F = 20 \text{ mA}$ | 130 | 260 |     | mcd  |
| Reverse current                 | I <sub>R</sub>         | $V_R = 4 V$           |     |     | 100 | μΑ   |
| Forward voltage                 | V <sub>F</sub>         | $I_F = 20 \text{ mA}$ |     | 2.0 | 2.6 | V    |
| Dominant emission wavelength *2 | $\lambda_d$            | $I_F = 20 \text{ mA}$ |     | 632 |     | nm   |
| Peak emission wavelength        | $\lambda_{\mathrm{P}}$ | $I_F = 20 \text{ mA}$ |     | 645 |     | nm   |
| Spectral half band width        | Δλ                     | $I_F = 20 \text{ mA}$ |     | 17  |     | nm   |

Note) \*1: Measurement tolerance: ±20%

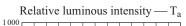


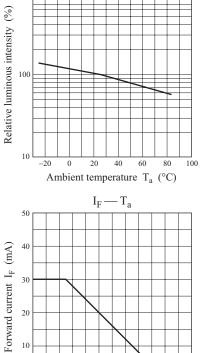






Directive characteristics





60 80

Ambient temperature T<sub>a</sub> (°C)

20 0

20 40 60 80 100

80 60 40

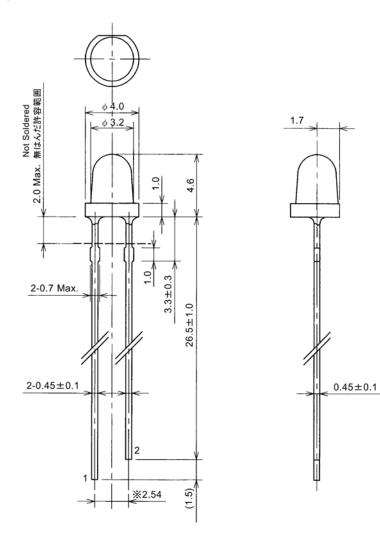
80°

0

20 40

100 120

#### Package (Unit: mm)



• Pin name

1: Anode

2: Cathode

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