# LNJ8A4TN5DA

## Round Type

ϕ5.0 mm

### ■ Absolute Maximum Ratings $T_a = 25°C$

| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Power dissipation | $P_D$ | 125 | mW |
| Forward current | $I_F$ | 50 | mA |
| Pulse forward current * | $I_{FP}$ | 150 | mA |
| Reverse voltage | $V_R$ | 4 | V |
| Operating ambient temperature | $T_{opr}$ | −25 to +85 | °C |
| Storage temperature | $T_{stg}$ | −30 to +100 | °C |

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

### ■ Lighting Color

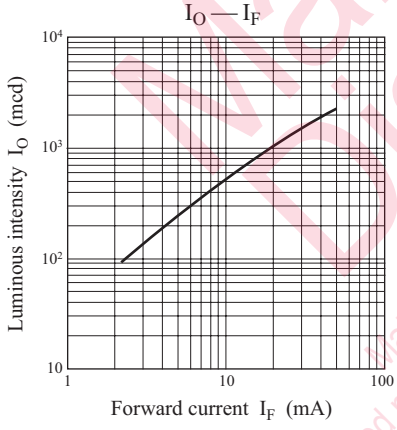
- Soft Orange

### ■ Electro-Optical Characteristics $T_a = 25°C$

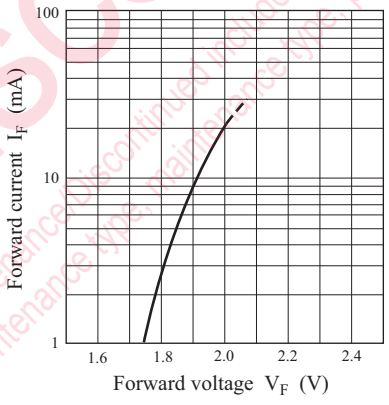
| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|---|
| Luminous intensity *1 | $I_O$ | $I_F$ = 20 mA | 800 | 1 000 | | mcd |
| Reverse current | $I_R$ | $V_R$ = 4 V | | | 100 | μA |
| Forward voltage | $V_F$ | $I_F$ = 20 mA | | 2.0 | 2.5 | V |
| Dominant emission wavelength *2 | $\lambda_d$ | $I_F$ = 10 mA | 600 | 605 | 610 | nm |
| Peak emission wavelength | $\lambda_P$ | $I_F$ = 20 mA | | 610 | | nm |
| Spectral half band width | Δλ | $I_F$ = 20 mA | | 17 | | nm |

Note) *1: Measurement tolerance: ±20%
*2: Measurement tolerance: ±2 nm

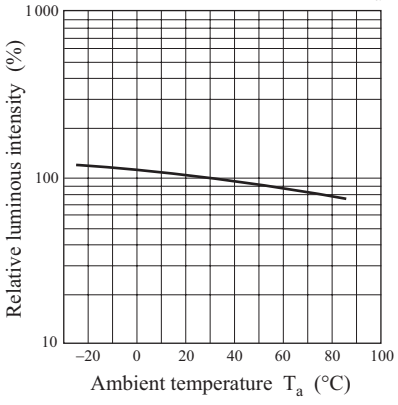
$I_O$ — $I_F$



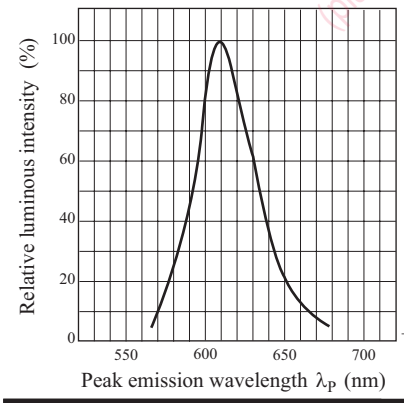

$I_F$ — $V_F$



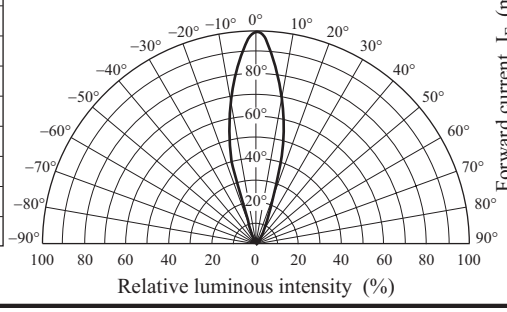

Relative luminous intensity — $T_a$



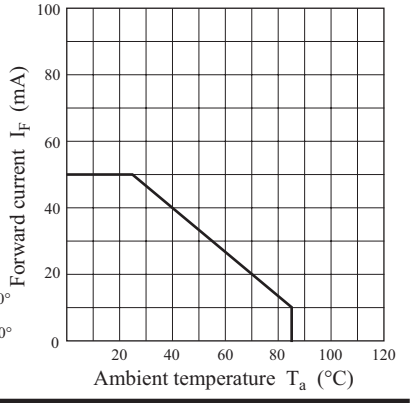

Relative luminous intensity — $\lambda_P$



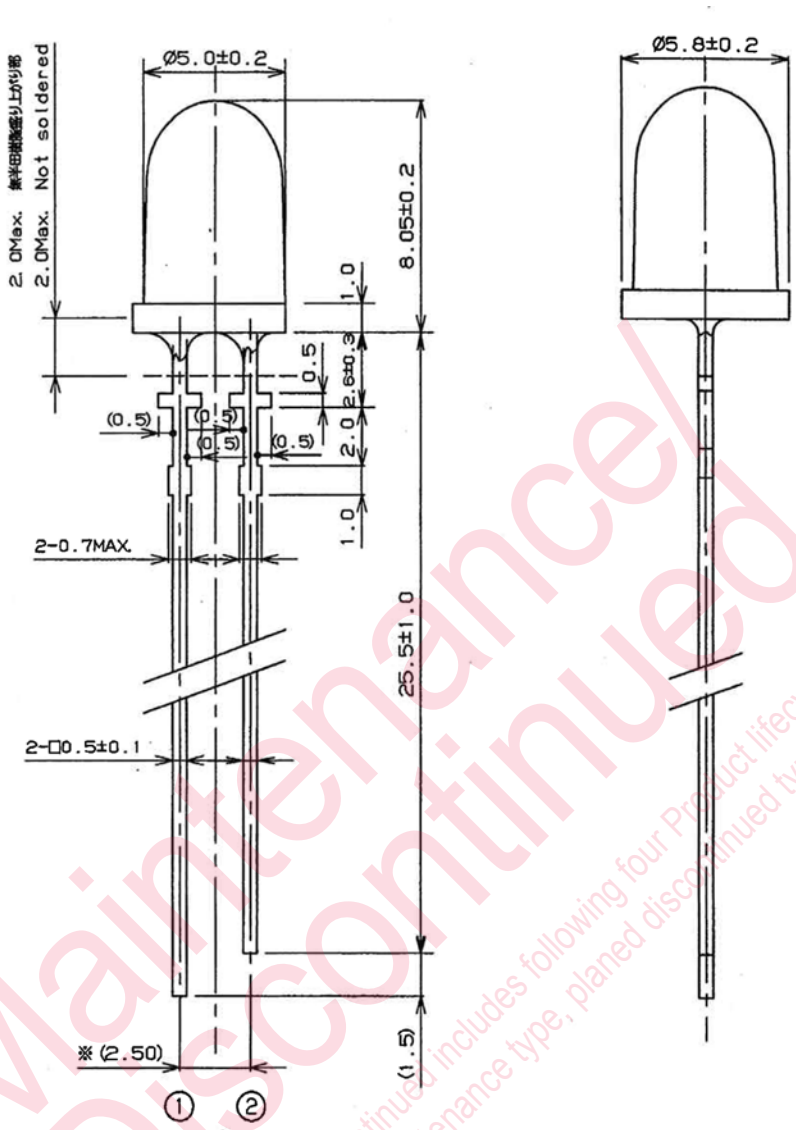

Directive characteristics




$I_F$ — $T_a$



■ Package (Unit: mm)






• Pin name
1: Anode
2: Cathode

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