## LN31GPSLX

## Round Type

$\phi 5.0 \mathrm{~mm}$

Absolute Maximum Ratings $\mathrm{T}_{\mathrm{a}}=25^{\circ} \mathrm{C}$

| Parameter | Symbol | Rating | Unit |
| :--- | :---: | :---: | :---: |
| Power dissipation | $\mathrm{P}_{\mathrm{D}}$ | 90 | mW |
| Forward current | $\mathrm{I}_{\mathrm{F}}$ | 30 | mA |
| Pulse forward current ${ }^{*}$ | $\mathrm{I}_{\mathrm{FP}}$ | 150 | mA |
| Reverse voltage | $\mathrm{V}_{\mathrm{R}}$ | 4 | V |
| Operating ambient temperature | $\mathrm{T}_{\text {opr }}$ | -25 to +85 | ${ }^{\circ} \mathrm{C}$ |
| Storage temperature | $\mathrm{T}_{\text {stg }}$ | -30 to +100 | ${ }^{\circ} \mathrm{C}$ |

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

Electro-Optical Characteristics $\mathrm{T}_{\mathrm{a}}=25^{\circ} \mathrm{C}$

| Parameter | Symbol | Conditions | Min | Typ | Max |
| :--- | :---: | :--- | :---: | :---: | :---: |
| Luminous intensity | $\mathrm{I}_{\mathrm{O}}$ |  | 7.5 | 20.0 |  |
| Reverse current | $\mathrm{I}_{\mathrm{R}}$ | $\mathrm{V}_{\mathrm{R}}=4 \mathrm{~V}$ |  | mcd |  |
| Forward voltage | $\mathrm{V}_{\mathrm{F}}$ | $\mathrm{I}_{\mathrm{F}}=20 \mathrm{~mA}$ | 10 | $\mu \mathrm{~A}$ |  |
| Peak emission wavelength | $\lambda_{\mathrm{P}}$ | $\mathrm{I}_{\mathrm{F}}=20 \mathrm{~mA}$ | 2.2 | 2.8 | V |
| Spectral half band width | $\Delta \lambda$ | $\mathrm{I}_{\mathrm{F}}=20 \mathrm{~mA}$ |  | 565 |  |



Forward voltage $\mathrm{V}_{\mathrm{F}}(\mathrm{V})$




Package (Unit: mm)
LLXLTN2SK1L0


- Pin name

1: Anode
2: Cathode

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