This product complies with the RoHS Directive (EU 2002/95/EC).

Light Emitting Diodes

**LN1261CALTR**

Hight Bright Surface Mounting Chip LED

GW Type

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Symbol</th>
<th>Rating</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power dissipation</td>
<td>$P_D$</td>
<td>50</td>
<td>mW</td>
</tr>
<tr>
<td>Forward current</td>
<td>$I_F$</td>
<td>20</td>
<td>mA</td>
</tr>
<tr>
<td>Pulse forward current $^*$</td>
<td>$I_{FP}$</td>
<td>60</td>
<td>mA</td>
</tr>
<tr>
<td>Reverse voltage</td>
<td>$V_R$</td>
<td>3</td>
<td>V</td>
</tr>
<tr>
<td>Operating ambient temperature</td>
<td>$T_{op}$</td>
<td>–25 to +80</td>
<td>°C</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>$T_{stg}$</td>
<td>–30 to +85</td>
<td>°C</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Symbol</th>
<th>Conditions</th>
<th>Min</th>
<th>Typ</th>
<th>Max</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luminous intensity</td>
<td>$I_O$</td>
<td>$I_F = 20, mA$</td>
<td>5.0</td>
<td>12.0</td>
<td></td>
<td>mcd</td>
</tr>
<tr>
<td>Reverse current</td>
<td>$I_R$</td>
<td>$V_R = 3, V$</td>
<td></td>
<td></td>
<td>100</td>
<td>µA</td>
</tr>
<tr>
<td>Forward voltage</td>
<td>$V_F$</td>
<td>$I_F = 20, mA$</td>
<td>1.8</td>
<td>2.6</td>
<td></td>
<td>V</td>
</tr>
<tr>
<td>Peak emission wavelength</td>
<td>$\lambda_P$</td>
<td>$I_F = 20, mA$</td>
<td>660</td>
<td></td>
<td></td>
<td>nm</td>
</tr>
<tr>
<td>Spectral half band width</td>
<td>$\Delta \lambda$</td>
<td>$I_F = 20, mA$</td>
<td>20</td>
<td></td>
<td></td>
<td>nm</td>
</tr>
</tbody>
</table>

### Directive characteristics

#### Relative luminous intensity — $T_a$

- Graph showing the relationship between forward current ($I_F$) and luminous intensity ($I_O$) in meters per candle.
- Graph showing the relationship between forward voltage ($V_F$) and luminous intensity ($I_O$) in volts.
- Graph showing the relationship between ambient temperature ($T_a$) and relative luminous intensity.

#### Relative luminous intensity — $\lambda_P$

- Graph showing the relationship between peak emission wavelength ($\lambda_P$) and relative luminous intensity.

#### Lighting Color

- Red

**Maintenance/Discontinued**

Maintenance/Discontinued includes following four Product lifecycle stage.

- Planned maintenance type
- Maintenance type
- Planned discontinued type
- Discontinued type

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### Package (Unit: mm)

**LLTFTR2G6110**

- **Pin name**
  1: Anode
  2: Cathode
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