Round Type

φ 5.0 mm Series

Conventional Part No. | Global Prt No. | Lighting Color
--- | --- | ---
LN31GPH | LNG301GFG | Green
LN31YPH | LNG301YFG | Green
LN31GCPH | LNG301MFG | Green
LN31YCPH | LNG301NFG | Green

Absolute Maximum Ratings \((T_a = 25°C)\)

<table>
<thead>
<tr>
<th>Lighting Color</th>
<th>(P_D) (mW)</th>
<th>(I_F) (mA)</th>
<th>(I_{FP}) (mA)</th>
<th>(V_R) (V)</th>
<th>(T_{opr}) (°C)</th>
<th>(T_{stg}) (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>90</td>
<td>30</td>
<td>150</td>
<td>4</td>
<td>(-25) to (+80)</td>
<td>(-30) to (+100)</td>
</tr>
</tbody>
</table>

Pulse width 1 msec. The condition of \(I_{FP}\) is duty 10%. Pulse width 1 msec

Electro–Optical Characteristics \((T_a = 25°C)\)

<p>| Conventional | Lighting | Lens Color | (I_O) Typ | (I_O) Min | (I_F) Typ | (I_F) Max | (\lambda_P) Typ | (\Delta\lambda) Typ | (I_R) Max | (V_R) |</p>
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Color</th>
<th></th>
<th>(mA)</th>
<th>(mA)</th>
<th>(mA)</th>
<th>(mA)</th>
<th>(nm)</th>
<th>(nm)</th>
<th>(mA)</th>
<th>(V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LN31GPH</td>
<td>Green</td>
<td>Green Diffused</td>
<td>15.0</td>
<td>3.0</td>
<td>20</td>
<td>2.2</td>
<td>2.8</td>
<td>565</td>
<td>30</td>
<td>20</td>
</tr>
<tr>
<td>LN31YPH</td>
<td>Green</td>
<td>Yellow Diffused</td>
<td>25.0</td>
<td>10.0</td>
<td>20</td>
<td>2.2</td>
<td>2.8</td>
<td>568</td>
<td>30</td>
<td>20</td>
</tr>
<tr>
<td>LN31GCPH</td>
<td>Green</td>
<td>Green Clear</td>
<td>20.0</td>
<td>7.5</td>
<td>20</td>
<td>2.2</td>
<td>2.8</td>
<td>565</td>
<td>30</td>
<td>20</td>
</tr>
<tr>
<td>LN31YCPH</td>
<td>Green</td>
<td>Yellow Clear</td>
<td>56.0</td>
<td>22.0</td>
<td>20</td>
<td>2.2</td>
<td>2.8</td>
<td>563</td>
<td>30</td>
<td>20</td>
</tr>
</tbody>
</table>

Relative Luminous Intensity
Wavelength Characteristics

Directive Characteristics

Ambient Temperature vs. Forward Current
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