LN1471YTR

Surface Mounting Chip LED

S-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>60</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>4</td>
<td>V</td>
</tr>
<tr>
<td>Operating ambient temperature</td>
<td>( T_{op} )</td>
<td>-25 to +85</td>
<td>°C</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>( T_{stg} )</td>
<td>-30 to +100</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 = 10 ) mA</td>
<td>0.4</td>
<td>1.0</td>
<td></td>
<td>mcd</td>
</tr>
<tr>
<td>Reverse current</td>
<td>( I_R )</td>
<td>( V_R = 4 ) V</td>
<td>100</td>
<td>10</td>
<td></td>
<td>µA</td>
</tr>
<tr>
<td>Forward voltage</td>
<td>( V_F )</td>
<td>( I_F = 10 ) mA</td>
<td>2.0</td>
<td>2.6</td>
<td></td>
<td>V</td>
</tr>
<tr>
<td>Peak emission wavelength</td>
<td>( \lambda_P )</td>
<td>( I_F = 10 ) mA</td>
<td>590</td>
<td>30</td>
<td></td>
<td>nm</td>
</tr>
<tr>
<td>Spectral half band width</td>
<td>( \Delta\lambda )</td>
<td>( I_F = 10 ) mA</td>
<td>30</td>
<td>30</td>
<td></td>
<td>nm</td>
</tr>
</tbody>
</table>

Relative luminous intensity — \( I_F \)

Relative luminous intensity — \( V_F \)

Relative luminous intensity — \( T_a \)

Relative luminous intensity — \( \lambda_P \)

Directive characteristics

Lighting Color

• Amber

Maintenance/Discontinued

Maintenance/Discontinued includes following four Product lifecycle stage.

(planed maintenance type, maintenance type, planed discontinued typed, discontinued type)
This product complies with the RoHS Directive (EU 2002/95/EC).

LN1471YTR

Package (Unit: mm)

LLTFTN2G0600

- Pin name
  1: Anode
  2: Cathode

Maintenance/Discontinued includes following four Product lifecycle stages:
(planed maintenance type, maintenance type, planed discontinued type, discontinued type)
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