Features

- Robust package
- Uniform light disbursement
- Ideal for backlighting logos or icons
- Excellent for flush mounting
- Standard configuration: Gray face w/ white segments
- RoHS Compliant

ATTENTION

OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

<table>
<thead>
<tr>
<th>Absolute Maximum Ratings ((T_a=25°C))</th>
<th>Red ((\text{AlGaInP}))</th>
<th>Green ((\text{AlGaInP}))</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reverse Voltage</td>
<td>(V_r) 5</td>
<td>5</td>
<td>V</td>
</tr>
<tr>
<td>Forward Current</td>
<td>(I_r) 30mA</td>
<td>30 mA</td>
<td>mA</td>
</tr>
<tr>
<td>Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width</td>
<td>(i_{FSS}) 185mA</td>
<td>150 mA</td>
<td>mA</td>
</tr>
<tr>
<td>Power Dissipation</td>
<td>(P_h) 75mW</td>
<td>75 mW</td>
<td>mW</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>(T_a) -40 ~ +85°C</td>
<td></td>
<td>°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>(T_{stg}) -40 ~ +85°C</td>
<td></td>
<td>°C</td>
</tr>
<tr>
<td>Lead Solder Temperature</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


dc 260°C For 3.5 Seconds

A Relative Humidity between 40% and 60% is recommended in ESD-protected work areas to reduce static build up during assembly process (Reference JEDEC/JESD625-A and JEDEC/JSTD-033)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Emitting Color</th>
<th>Emitting Material</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GMDKVGX10D</td>
<td>Red</td>
<td>AlGaInP</td>
<td>10 Segments Bar graph-Display</td>
</tr>
<tr>
<td></td>
<td>Green</td>
<td>AlGaInP</td>
<td></td>
</tr>
</tbody>
</table>

Luminous Intensity \((I_F=10mA)\) \(\text{ucd}\)

\(\text{min. typ.}\)

\[
\begin{array}{ccc}
\text{Red} & \text{AlGaInP} & 31000 \quad 9000* \\
 & & 24990* \\
\text{Green} & \text{AlGaInP} & 14000 \quad 3600* \\
 & & 27990 \quad 7990* \\
\end{array}
\]

\(*\text{Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.}\)

Notes:

1. All dimensions are in millimeters (inches), Tolerance is ±0.25(0.01")unless otherwise noted.
2. Specifications are subject to change without notice.
Remarks:

If special sorting is required (e.g., binning based on forward voltage, luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous Intensity / Luminous Flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.
PACKING & LABEL SPECIFICATIONS

TERMS OF USE
1. Data presented in this document reflect statistical figures and should be treated as technical reference only.
2. Contents within this document are subject to improvement and enhancement changes without notice.
3. The product(s) in this document are designed to be operated within the electrical and environmental specifications indicated on the datasheet. User accepts full risk and responsibility when operating the product(s) beyond their intended specifications.
4. The product(s) described in this document are intended for electronic applications in which a person’s life is not reliant upon the LED. Please consult with a SunLED representative for special applications where the LED may have a direct impact on a person’s life.
5. The contents within this document may not be altered without prior consent by SunLED.
6. When any special process such as potting is required for LED assembly, please consult with SunLED representative before proceeding.
7. Additional technical notes are available at https://www.SunLED.com/TechnicalNotes