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**Absolute Maximum Ratings (T_A=25°C)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Red (AlGaInP)</th>
<th>Green (AlGaInP)</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reverse Voltage</td>
<td>V_R</td>
<td>5</td>
<td>V</td>
</tr>
<tr>
<td>Forward Current</td>
<td>I_F</td>
<td>30</td>
<td>mA</td>
</tr>
<tr>
<td>Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width</td>
<td>i_F</td>
<td>185</td>
<td>mA</td>
</tr>
<tr>
<td>Power Dissipation</td>
<td>P_D</td>
<td>75</td>
<td>mW</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>T_A</td>
<td>-40 ~ +85</td>
<td>°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>T_stg</td>
<td>-40 ~ +85</td>
<td>°C</td>
</tr>
<tr>
<td>Lead Solder Temperature</td>
<td></td>
<td>260°C For 3-5 Seconds</td>
<td></td>
</tr>
</tbody>
</table>

**Operating Characteristics (T_A=25°C)**

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<tr>
<td>Forward Voltage (Typ.) (I_F=10mA)</td>
<td>V_F</td>
<td>1.85</td>
<td>V</td>
</tr>
<tr>
<td>Forward Voltage (Max.) (I_F=10mA)</td>
<td>V_F</td>
<td>2.35</td>
<td>V</td>
</tr>
<tr>
<td>Reverse Current (V_R=5V)</td>
<td>I_R</td>
<td>10</td>
<td>mA</td>
</tr>
<tr>
<td>Wavelength of Peak Emission CIE127-2007*(Typ.) (I_F=10mA)</td>
<td>Λ_P</td>
<td>645*</td>
<td>nm</td>
</tr>
<tr>
<td>Wavelength of Dominant Emission CIE127-2007*(Typ.) (I_F=10mA)</td>
<td>Λ_D</td>
<td>630*</td>
<td>nm</td>
</tr>
<tr>
<td>Spectral Line Full Width At Half-Maximum (Typ.) (I_F=10mA)</td>
<td>Λ</td>
<td>28</td>
<td>nm</td>
</tr>
<tr>
<td>Capacitance (Typ.) (V_R=0V, f=1MHz)</td>
<td>C</td>
<td>35</td>
<td>pF</td>
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</table>

A Relative Humidity between 40% and 60% is recommended in ESD-protected work areas to reduce static build up during assembly process (Reference JEDEC/ESD625-A and JEDEC/J-STD-033)

**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.

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10 Segment Bar Graph Array

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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.
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