Model No.: YSLB-10251G5-10

Applications:
- Moving Message Display
- Banking Board
- Digital Display
- Full Color Display
- Score Boards

LED Chip Absolute Maximum Ratings: (Ta=25 ℃)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Symbol</th>
<th>GREEN</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forward current</td>
<td>( I_F )</td>
<td>20</td>
<td>mA</td>
</tr>
<tr>
<td>Peak forward current (Duty Cycle=10%, 10KHz)</td>
<td>( I_{PF} )</td>
<td>30</td>
<td>mA</td>
</tr>
<tr>
<td>Reverse voltage (( V_R = 5V ))</td>
<td>( I_R )</td>
<td>10</td>
<td>μA</td>
</tr>
<tr>
<td>Operating temp</td>
<td>( T_{OPR} )</td>
<td>-25 - 85</td>
<td>℃</td>
</tr>
<tr>
<td>Storage temp</td>
<td>( T_{STG} )</td>
<td>-30 - 85</td>
<td>℃</td>
</tr>
<tr>
<td>Peak Emission Wavelength</td>
<td>( \lambda_{PH} )</td>
<td>527.5</td>
<td>nm</td>
</tr>
</tbody>
</table>

* Soldering Bath: not more than 5 seconds @260 ℃. The bottom ends of the plastic reflector should be at least 2mm above the solder surface.
Soldering Iron: not more than 3 seconds @300 ℃ under 30W.

LED Chip Typical Electrical & Optical Characteristics: (Ta=25 ℃)

<table>
<thead>
<tr>
<th>ITEMS</th>
<th>Symbol</th>
<th>Condition</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forward Voltage</td>
<td>( V_F )</td>
<td>( I_F = 20mA )</td>
<td>3.2</td>
<td>3.4</td>
<td>3.6</td>
<td>V</td>
</tr>
<tr>
<td>Luminous Intensity</td>
<td>( I_V )</td>
<td>( I_F = 20mA )</td>
<td>50</td>
<td>55</td>
<td>60</td>
<td>mcd</td>
</tr>
<tr>
<td>Wavelength</td>
<td>( \Delta \lambda )</td>
<td>( I_F = 20mA )</td>
<td>525</td>
<td>----</td>
<td>527.5</td>
<td>nm</td>
</tr>
<tr>
<td>Light Degradation after 1000 hours</td>
<td></td>
<td></td>
<td>-4.68% ~ -8.27%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Mechanical Dimensions:

- All dimension are in mm, tolerance is ±0.2mm unless otherwise noted.
- An epoxy meniscus may extend about 1.5mm down the leads.

![Mechanical Dimensions Diagram]
Code System:

YSLB-102510G5-10

1. Color:
   R: Red   A: Amber   K: Kelly   Y: Yellow
   G: Green   C: Cyan   P: Purple   W: White

2. Wavelength or Color Temperature Range:
   R1: 620-625nm   K1: 565-570nm   C1: 495-497.5nm   B3: 460-462.5nm   P1: 375-380nm
   R2: 625-630nm   K2: 570-573nm   C2: 497.5-500nm   B4: 462.5-465nm   P2: 390-395nm
   R4: 635-640nm   G2: 517.5-520nm   C4: 502.5-505nm   B6: 467.5-470nm   P4: 400-405nm
   R5: 640-645nm   G3: 520-522.5nm   C5: 505-507.5nm   B7: 470-472.5nm   P5: 405-410nm
   A1: 600-605nm   G4: 522.5-525nm   C6: 507.5-510nm   B8: 472.5-475nm   W1: 9000-11000
   A2: 605-610nm   G5: 525-527.5nm   C7: 510-512.5nm   W2: 6000-8000K
   Y1: 584-587nm   G6: 527.5-530nm   C8: 512.5-515nm   W3: 2700-4000K
   Y2: 587-590nm   G7: 530-532.5nm   B1: 455-457.5nm
   Y3: 590-593nm   G8: 532.5-535nm   B2: 457.5-460nm

Warranty:

1. 3 years warrantee for our red, yellow, amber and kelly items based on no more than hours continously lighting per day.
2. 2 years warrantee for our Blue, Green, Cyan and Purple items based on no more than hours continously lighting per day.
3. 1 years warrantee for our Cool White, Pure White and Warm White items based on no more than 8 hours continously lighting per day.
4. Electrical & Optical Characteristics consistency of same items all shipments.

Notes:

1. Please use Digital Display based on our datasheet.
2. Digital Display is senstive to satics, be sure your equipments are anti-static when you use our Dot Matrixs.
3. Pay more attention to your heat dissipation system when you use it, the better heat dissipation, the longer Digital Display lifespan.