TriColor RED GREEN BLUE LED

This full color super bright LED contains red green and blue LEDs housed in a single 5mm epoxy package. They are available with water clear or milky white diffused lenses as part numbers RL5-RGB-C and RL5-RGB-D. Available with common CATHODE or ANODE.

CLICK HERE TO BUY ONLINE NOW

We also offer an automatic color changing RGB LED.

CLICK HERE TO SEE SPECS

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>SYMBOL</th>
<th>MAX</th>
<th>TYP</th>
<th>UNIT</th>
<th>TEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>View Angle of Half Power</td>
<td>2Ø1/2</td>
<td>15</td>
<td>Degree</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forward Voltage</td>
<td>VF</td>
<td>2.6</td>
<td>2.0</td>
<td>V</td>
<td>IF=20mA</td>
</tr>
<tr>
<td>Peak Emission Wavelength</td>
<td>λ P</td>
<td>630</td>
<td>nm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Luminous Intensity</td>
<td>IV</td>
<td>1200</td>
<td>mcd</td>
<td></td>
<td>IF=20mA</td>
</tr>
</tbody>
</table>

optoelectric characteristics: SUPER RED (AlGalpn)

View Angle of Half Power
Forward Voltage
Peak Emission Wavelength
Luminous Intensity

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<td>15</td>
<td>Degree</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forward Voltage</td>
<td>VF</td>
<td>4.0</td>
<td>3.5</td>
<td>V</td>
<td>IF=20mA</td>
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<tr>
<td>Peak Emission Wavelength</td>
<td>λ P</td>
<td>525</td>
<td>nm</td>
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<tr>
<td>Luminous Intensity</td>
<td>IV</td>
<td>3700</td>
<td>mcd</td>
<td>IF=20mA</td>
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</tr>
</tbody>
</table>

optoelectric characteristics: SUPER GREEN (GaInN/GaN)
optoelectric characteristics: SUPER BLUE (GaN)

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<tr>
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<th>TYP</th>
<th>UNIT</th>
<th>TEST</th>
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<tr>
<td>View Angle of Half Power</td>
<td>2ø1/2</td>
<td></td>
<td>15</td>
<td>Degree</td>
<td></td>
</tr>
<tr>
<td>Forward Voltage</td>
<td>VF</td>
<td>4.0</td>
<td>3.5</td>
<td>V</td>
<td>IF=20mA</td>
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<tr>
<td>Peak Emission Wavelength</td>
<td>Y P</td>
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<td>nm</td>
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<tr>
<td>Luminous Intensity</td>
<td>IV</td>
<td>700</td>
<td></td>
<td>mcd</td>
<td>IF=20mA</td>
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</tbody>
</table>

AVAILABLE WITH COMMON CATHODE OR COMMON ANODE

absolute maximum ratings: (TA=25°C, per individual LED)

**PART NUMBERS**

RL5-RGB-C and RL5-RGB-D

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>SYMBOL</th>
<th>RATING</th>
<th>UNIT</th>
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</thead>
<tbody>
<tr>
<td>Power Dissipation</td>
<td>PD</td>
<td>100</td>
<td>mW</td>
</tr>
<tr>
<td>Continuous Forward Current</td>
<td>IF</td>
<td>20</td>
<td>mA</td>
</tr>
<tr>
<td>Peak Forward Current</td>
<td>IFM</td>
<td>50</td>
<td>mA</td>
</tr>
<tr>
<td>Reverse Voltage</td>
<td>VR</td>
<td>5.0</td>
<td>V</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>TA</td>
<td>-40~+85</td>
<td>°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>TSTG</td>
<td>-40~+85</td>
<td>°C</td>
</tr>
<tr>
<td>Reverse Current (VR=5V)</td>
<td>IR</td>
<td>10</td>
<td>µa</td>
</tr>
</tbody>
</table>

Lead Soldering Temperature (3mm from body) 260°C (for 3 seconds)

CLICK HERE FOR PRICING AND TO BUY ONLINE NOW
LEADS ARE 0.48mm x 0.48mm square - LEAD SPACING IS 1.25mm - LEAD LENGTH IS 24mm to 28mm