SMD Super Bright LED

Features:
- Small 0603 Footprint
- Very Wide Viewing Angle

Specifications:
- Bulb Size: 0.8mm × 1mm
- LED Colour: Red
- Luminous Intensity: 300mcd
- Viewing Angle: 130°
- Forward Voltage: 2.1V
- LED Mounting: SMD
- Lens Shape: Rectangular
- Dominant Wavelength: 625nm
- Forward Voltage VF Max: 2.6V
- LED / Lamp Size: 0603
- LED Type: Standard
- Lens Style: Water Clear
- Material: A1GalnP/Si
- No. of Pins: 2

OVS-06 Series

Dimensions: Millimetres
SMD Super Bright LED

Radiation Diagram(s)

Maximum Ratings at Ta = 25°C

Reverse Voltage (<100µA) : 5V
D.C. Forward Current : 30mA
Pulse Current (Pulse Width of 0.1ms, 1/10 Duty Cycle) : 80mA
Operating Temperature Range : -30°C to +80°C
Storage Temperature : -40°C to +85°C
Soldering Temperature Reflow Soldering : 260°C for 10 secs.

Electrical & Optical Characteristics at Ta=25°C

<table>
<thead>
<tr>
<th>LED Chip</th>
<th>Lens Colour</th>
<th>Dominant Wavelength (nm) at 20mA</th>
<th>Luminous Intensity (mcd) at 20mA</th>
<th>Forward Voltage (V) at 20mA</th>
<th>Viewing Angle 2θ1/2 (deg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>Emitted Colour</td>
<td>Brightness</td>
<td>min.</td>
<td>typ.</td>
<td>max.</td>
</tr>
<tr>
<td>A1GaInP/Si</td>
<td>Red</td>
<td>Mega</td>
<td>Water Clear</td>
<td>625</td>
<td>165</td>
</tr>
</tbody>
</table>

Part Number Table

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED 0603 Super Bright Red</td>
<td>OVS-0608</td>
</tr>
</tbody>
</table>

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