LED
Super Green, 5mm

Specifications:
- Dice material: AlInGaP
- Emitted colour: Super Green
- Lens colour: Water Clear
- Peak wavelength: 570nm
- Viewing angle: 16°
- Luminous intensity (IV): 1,850mcd

Absolute Maximum Ratings ($T_a = 25°C$)

| Parameter                              | Symbol | Minimum | Typical | Maximum | Unit | Test
|----------------------------------------|--------|---------|---------|---------|------|------
| Reverse Voltage                        | IV     |         |         |         | mcd  | IF = 20mA
| Reverse Current                        | 20 1/2 | 900     | 1,850   | 2,700   | mcd  | IF = 20mA
| Operating Temperature Range            | -      | 10μA ($V_T = 5V$) | -      | -      | -    | -
| Storage Temperature Range              | -      | -       | -       | -       | -    | -
| Lead Soldering Temperature Range       | -      | -       | -       | -       | -    | -

Electrical/Optical Characteristics at $T_a = 25°C$

| Parameter                              | Symbol | Minimum | Typical | Maximum | Unit | Test
|----------------------------------------|--------|---------|---------|---------|------|------
| Luminous Intensity                     | IV     | 1,7     | 2.1     | 2.6     | V    | IF = 20mA
| Viewing Angle                          | 20 1/2 | 16      | -       | -       | degrees | IF = 20mA
| Peak Emission Wavelength               | $\lambda_P$ | -      | 570     | -       | nm   | -
| Dominant Wavelength                    | $\lambda_D$ | -      | 572     | -       | -    | -
| Spectral Line Half-Width               | $\Delta \lambda$ | -      | 15      | -       | -    | -
| Forward Voltage                        | VF     | 1.7     | 2.1     | 2.6     | V    | IF = 20mA
| Power Dissipation                      | Pd     | -       | -       | 85      | -    | -
| Peak Forward Current (Duty 1/10 at 1KHz) | IF (Peak) | -      | -       | 100     | -    | -
| Recommended Operating Current          | IF (Rec) | -      | 20      | -       | mA   | -
Super Green (AlInGaP $\lambda_P = 570\text{nm}$)

- Forward Current vs. Forward Voltage
- Forward Current Derating Curve
- Luminous Intensity vs. Forward Current
- Luminous Intensity vs. Ambient Temperature
**LED**

**Super Green, 5mm**

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**Part Number Table**

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<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>LED, 5mm, 16°, Super-Green</td>
<td>MCL053SGC</td>
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