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## PL00130 Series SMD LED 0603 Package Top View

### Features

- \*Flat lens thin package 1.6 x 0.8 x 0.8mm
- \*Low current requirements
- \*High light output
- \*Compatible with IR solder-process
- \*Industry standard footprint
- \*4000 pcs per reel
- \*RoHS compliant

### Absolute Maximum Ratings at T<sub>A</sub> = 25°C

|  |                      |
|--|----------------------|
| Power Dissipation .....  | 105mW                |
| Reverse Voltage (<10μA) .....                                  | 5.0V                 |
| Max Forward Current .....                                      | 30mA                 |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)..... | 100mA                |
| Operating Temperature Range .....                              | -40°C to +85°C       |
| Storage Temperature Range .....                                | -40°C to +85°C       |
| Reflow Soldering Temperature.....                              | 260°C for 10 seconds |

### Electrical & Optical Characteristics at T<sub>A</sub> = 25°C

| Part Number   | Emitting Color | Chip Material | CIE     |         | Viewing Angle<br>2θ1/2<br>Deg | Forward Voltage<br>@20mA (V) |     | Luminous Intensity<br>@20mA (mcd) |     |
|---------------|----------------|---------------|---------|---------|-------------------------------|------------------------------|-----|-----------------------------------|-----|
|               |                |               | Typical | Max     |                               | Typ                          | Max | Min                               | Typ |
| PL00130-YDW01 | White          | InGaN         | X: 0.31 | x: 0.33 | 110°                          | 3.3                          | 3.5 | 285                               | 450 |

Package Dimensions are in **Millimeters**. Tolerance is ± 0.15mm unless otherwise specified.

