

## 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

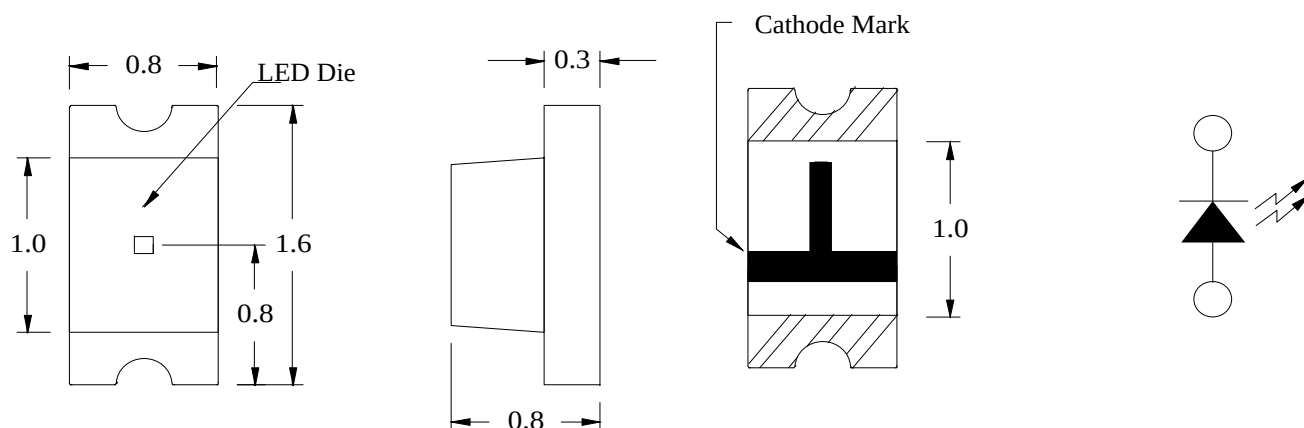
### Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

|                                                                |                                            |
|----------------------------------------------------------------|--------------------------------------------|
| Power Dissipation .....                                        | 65mW                                       |
| Reverse Voltage ( $<10\mu\text{A}$ ) .....                     | 5.0V                                       |
| Max Forward Current .....                                      | 25mA                                       |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)..... | 100mA                                      |
| Operating Temperature Range .....                              | $-40^\circ\text{C}$ to $+85^\circ\text{C}$ |
| Storage Temperature Range .....                                | $-40^\circ\text{C}$ to $+85^\circ\text{C}$ |
| Reflow Soldering Temperature.....                              | $260^\circ\text{C}$ for 10 seconds         |

### Electrical & Optical Characteristics at $T_A = 25^\circ\text{C}$

| Part Number   | Emitting Color | Chip Material | Dominant Wave Length | Peak Wave Length | Viewing Angle 2 $\theta$ 1/2 | Forward Voltage @20mA (V) |     | Luminous Intensity @20mA (mcd) |     |
|---------------|----------------|---------------|----------------------|------------------|------------------------------|---------------------------|-----|--------------------------------|-----|
|               |                |               |                      |                  |                              | Typ                       | Max | Min                            | Typ |
| PL00130-WCG11 | Green          | GaP           | 570                  | 563              | 110°                         | 2.3                       | 2.6 | 3.6                            | 7.2 |

Package Dimensions are in **Millimeters**. Tolerance is  $\pm 0.15\text{mm}$  unless otherwise specified.



### Recommended Soldering Pad Layout

