P-tec Corp. Tel:(866) 695-4162
2405 Commerce Circle Tel:(719) 589 3122
Alamosa Co. 81101 Fax:(719) 589 3592
www.p-tec.net

# PL00100 Series SMD LED 1206 Package

## Features

*Flat lens package 3.2 x 1.6 x 1.1mm
*InGaN blue LED chip used
*Low current requirements
*High light output
*Industry standard footprint
*3000 per reel
*RoHS compliant

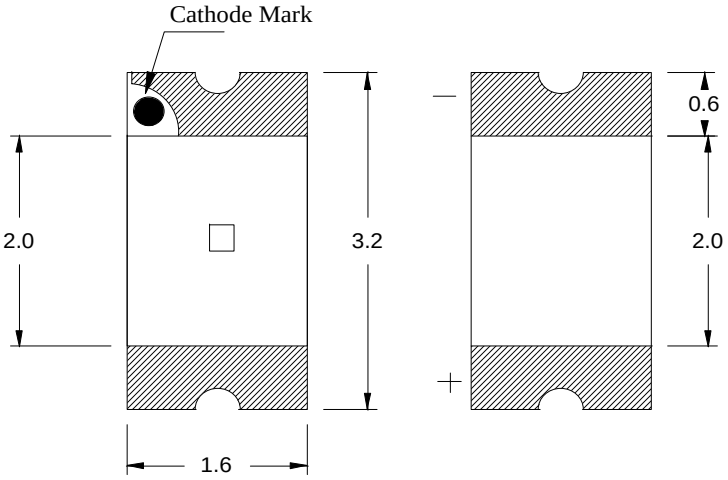
## Absolute Maximum Ratings at $T_A$ = 25°C

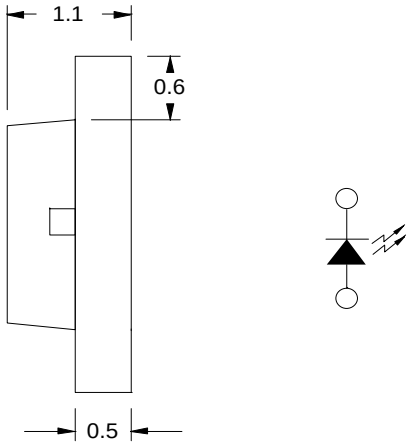
| | |
|---|---|
| Power Dissipation | 84mW |
| Reverse Voltage (<10µA) | 5.0V |
| Max Forward Current | 25mA |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 100mA |
| Operating Temperature Range | -40°C to +85°C |
| Storage Temperature Range | -40°C to +85°C |
| Reflow Soldering Temperature | 260°C for 10 seconds |

## Electrical & Optical Characteristics at $T_A$ = 25°C

| Part Number | Emitting Color | Chip Material | Dominant Wave Length | Peak Wave Length | Viewing Angle 2θ1/2 | Forward Voltage @20mA (V) | | Luminous Intensity @20mA (mcd) | |
|---|---|---|---|---|---|---|---|---|---|
| Water Clear Lens | | | nm | nm | Deg | Typ | Max | Min | Typ |
| PL00100-WCB11 | Blue | InGaN | 465.5 | 468 | 140° | 3.3 | 3.5 | 36.0 | 57.0 |

Package Dimensions are in **Millimeters**. Tolerance is ± 0.25mm unless otherwise specified.




Recommended Soldering Pad Layout

