P-tec Corp.
2405 Commerce Circle
Alamosa Co. 81101
www.p-tec.net

Tel:(800)688-0613
Tel:(719) 589 3122
Fax:(719) 589 3592
sales@p-tec.net

PL00202 Series SMD LED 1206 Package

Features

*Flat Lens Package 3.2 x 1.6 x 1.1mm
*GaN Ultra Bright Blue Chip used
*Low Current Requirements
*High Light Output
*Compatible with IR Solder-Process
*Industry Standard Footprint
*2000 or 1000 pcs per Reel
*RoHS Compliant

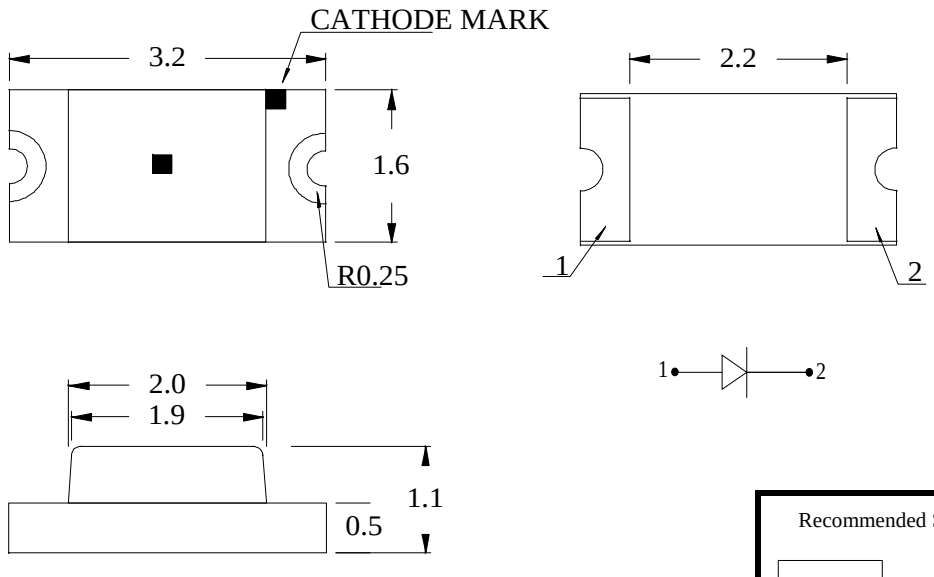
Absolute Maximum Ratings at T_A = 25°C

Power Dissipation	120mW
Reverse Voltage (<100µA)	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_A = 25°C

Part Number	Emitting Color	Chip Material	Peak Wave Length	Dominant Wave Length	Viewing Angle 2θ1/2	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
Water Clear Lens			nm	nm	Degrees	Typ	Max	Min	Typ
PL00202-WCB08	Blue	GaN	470	—	120°	3.5	4.0	25.0	40.0

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



Recommended Soldering Pad Layout

