

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 sales@p-tec.net



## PL00190 Series SMD LED 1204 Package Side View

### Features

- \*Dome lens 3.2 x 1.0 x 1.5mm
- \*Low current requirements
- \*High light output
- \*Compatible with IR solder-process
- \*Industry standard footprint
- \*4000 pcs per reel
- \*RoHS compliant

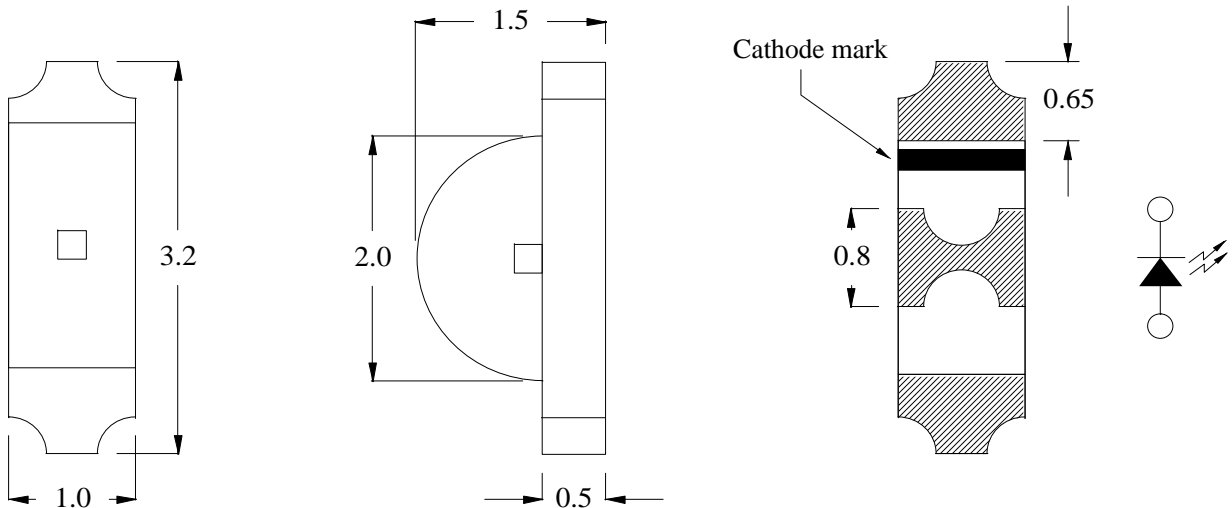
### Absolute Maximum Ratings at T<sub>A</sub> = 25°C

Power Dissipation.....	84mW
Reverse Voltage (<10μA) .....	5.0V
Max Forward Current .....	20mA
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	Dominant Wave Length	Peak Wave Length	Viewing Angle 2θ1/2	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			(nm)	(nm)	Deg				
PL00190-WCB11	Blue	InGaN	465.5	468	110°	3.3	3.5	36.0	57.0

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



#### Recommended Soldering Pad Layout

