

## 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

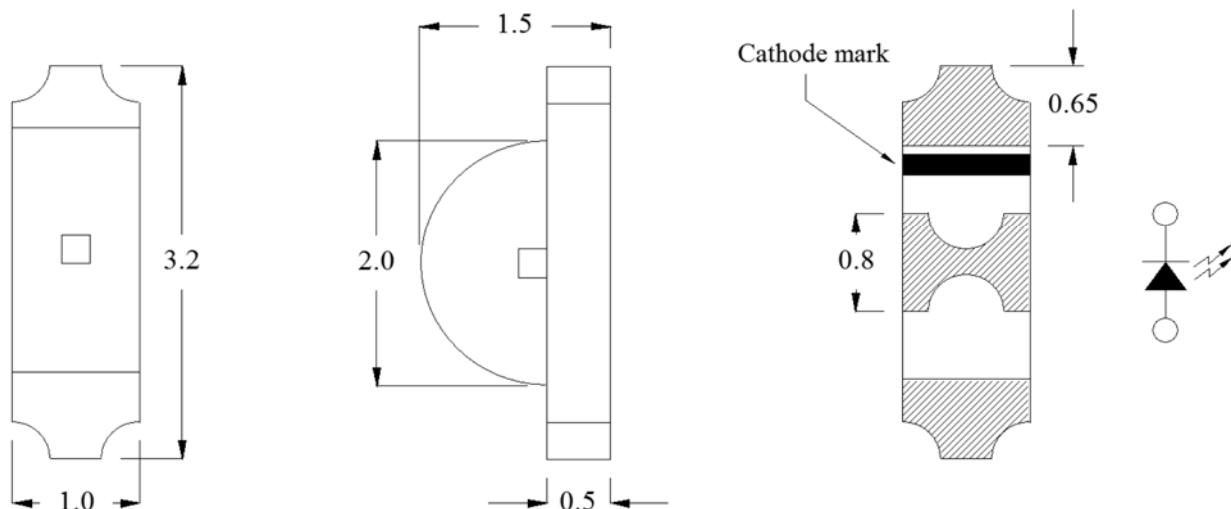
### Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

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 $T_A = 25^\circ\text{C}$

Part Number	Emitting Color	Chip Material	CIE Chromacity Coordinates	Viewing Angle 201/2	Forward Voltage @20mA (V)	Luminous Intensity @20mA (mcd)
Yellow Diffused Lens			Typ.	Max.	Deg	Typ
PL00190-YDW01	White	InGaN	X 0.31	X 0.33	110°	3.3
					Max	3.5
					Min	285.0
					Typ	450.0

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



Recommended Soldering Pad Layout

