



## 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

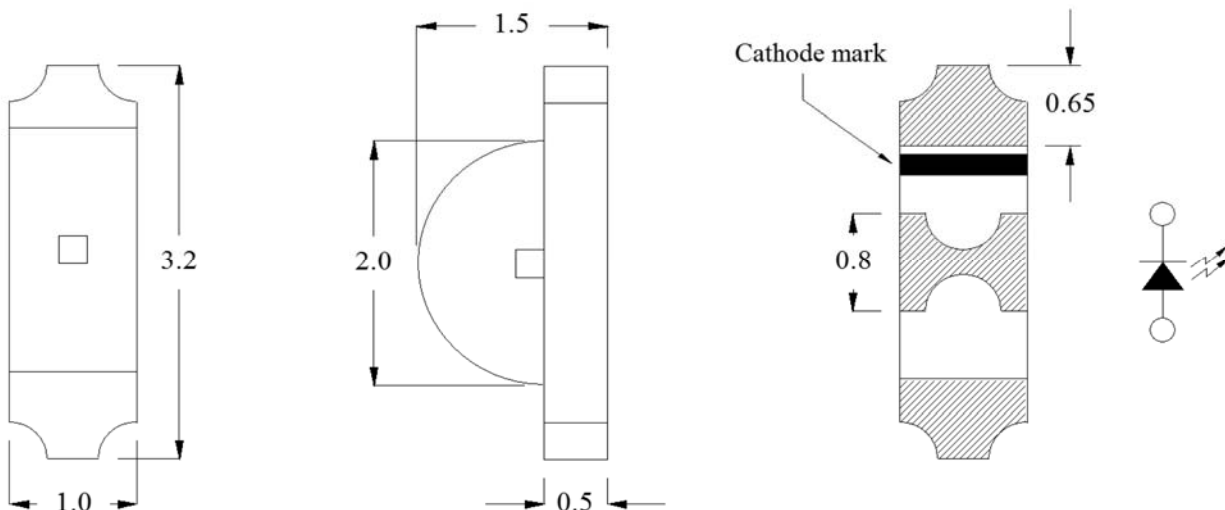
### Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Power Dissipation .....	78mW
Reverse Voltage ( $<10\mu\text{A}$ ) .....	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	Dominant Wave Length	Peak Wave Length	Viewing Angle 2 $\theta$ 1/2	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			(nm)	(nm)	Deg				
PL00190-WCR08	Super-bright Orange-red	AlInGaP	626	630	110°	2.1	2.6	45.0	90.0

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



### Recommended Soldering Pad Layout

