



## 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.....	84mW
Reverse Voltage (<math><10\mu\text{A}</math>) .....	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 $T_A = 25^\circ\text{C}$

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-WCG25	True Green	InGaN	524	523	110°	3.3	3.5	182.0	368.0

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

