



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 (<math><10\mu\text{A}</math>)	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 θ 1/2	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			(nm)	(nm)	Deg				
PL00190-WCR18	Super-bright Red	AlInGaP	632	645	110°	2.1	2.6	45.0	72.0

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

