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## PL00221 Series SMD LED 0805 Package

### Features

- \*Flat Lens Thin Package 2.0 x 1.25 x 0.75mm
- \*AlGaInP Ultra Bright Red Chip used
- \*Low Current Requirements
- \*High Light Output
- \*Compatible with IR Solder-Process
- \*Industry Standard Footprint
- \*2000 or 1000 pcs per Reel
- \*RoHS Compliant

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

Power Dissipation.....	130mW
Reverse Voltage (<100μA) .....	5.0V
Max Forward Current .....	50mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width).....	150mA
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	Peak Wave Length	Dominant Wave Length	Viewing Angle 2θ1/2	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			nm	nm	Degrees				
PL00221-WCR25	Red	AlInGaP	650	630	120°	2.1	2.6	70.0	135.0

Package Dimensions are in **Millimeters**. Tolerance is ± 0.25mm unless otherwise specified.

