



## PL008R Series SMD LED PLCC-2 Package

### Features

- \*Bubble Lens Package 3.2 x 2.7 x 3.6 mm
- \*InGaN Ultra Bright White Chip used
- \*High Luminous Output
- \*Bubble Lens for a Small Viewing Angle
- \*Integrated Zener Diode for ESD protection
- \*12mm Tape, 500pc Reels
- \*RoHS Compliant

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

Power Dissipation.....	120mW
Reverse Voltage (<100μA).....	5.0V
Max Forward Current.....	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width).....	100mA
Operating Temperature Range.....	-25°C to +85°C
Storage Temperature Range.....	-40°C to +100°C
Reflow Soldering Temperature.....	260°C for 5 seconds
Electric Static Discharge Threshold (HBM).....	6000V

### Electrical & Optical Characteristics at T<sub>A</sub> = 25°C

Part Number	Emitting Color	Chip Material	Chromaticity Coordinates		Viewing Angle 2θ ½ Deg	Forward Voltage @20mA (V)		Luminous Flux @20mA (mlm)	Luminous Intensity @20mA (mcd)	
			Typ	Y		Typ	Max		Typ	Min
Water Clear Lens			X	Y						
PL008R-WCW13Z	White	InGaN	0.31	0.30	30°	3.2	4.0	1300	1400	2800

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

