



PL0084R Series SMD LED PLCC-4 Package

Features

- *PLCC-4 Package 3.2 x 2.7 x 3.6 mm with Bubble Lens
- *AlInGaP Ultra Bright Orange-Red Chip used
- *Integrated Zener Diode for 6000V ESD protection
- *High Luminous Output
- *Bubble Lens for a Small Viewing Angle
- *12mm Tape, 500pc Reels
- *RoHS Compliant

Absolute Maximum Ratings at T_A = 25°C

Power Dissipation.....	78mW
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

Electrical & Optical Characteristics at T_A = 25°C

Part Number	Emitting Color	Chip Material	Peak Wave Length	Dominant Wave Length	Viewing Angle 2θ ½	Forward Voltage @50mA (V)		Luminous Flux @50mA (mIm)	Luminous Intensity @50mA (mcd)	
						Typ	Max	Typ	Min	Typ
PL0084R-WCR43Z	Orange-Red	AllnGaP	620 nm	615 nm	30°	2.2	2.6	3000	3000	5400

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

