



## PL008 Series Full Color RGB SMD LED PLCC-4 Package

### Features

- \*PLCC-4 Package 3.2 x 2.8 x 1.9 mm
- \*ESD Threshold 300V
- \*High Light Output
- \*IC Compatible
- \*Reliable and Rugged
- \*Very Wide Viewing Angle
- \*For use as Optical Indicator, Backlighting
- \*12mm Tape, 2000 pcs per Reel
- \*RoHS Compliant

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

Power Dissipation (Red).....	72mW
Power Dissipation (Green).....	120mW
Power Dissipation (Blue).....	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
Wave Soldering Temperature.....	260° for 5 seconds

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

Part Number	Emitting Color	Chip Material	Peak Wave Length	Dominant Wave Length	View Angle	Forward Voltage @20mA( V)		Luminous Intensity @20mA(mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			nm	nm	Deg	Typ	Max	Min	Typ
PL008-WCRGB084319	Hyper Red	AlGaInP	639	630	120°	1.9	2.4	62.0	150
	Pure Green	InGaN	—	525		3.2	4.0	270	570
	Blue	InGaN	—	465		3.2	4.0	80	160

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

