



PL0086 Series Full Color SMD LED PLCC-6 Package

Features

- *Flat Lens Package 3.2 x 2.8 x 1.9 mm
- *AlGaInP Ultra Bright Hyper Red and InGaN Green and Blue Chips used
- *High Light Output
- *Wide Viewing Angle
- *12mm Tape, 2000 pcs per Reel
- *RoHS Compliant

Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Power Dissipation (Red).....	78mW
Power Dissipation (Green).....	126mW
Power Dissipation (Blue).....	126mW
Reverse Voltage (<math><100\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.....	-25°C to +85°C
Storage Temperature Range.....	-40°C to +100°C
Wave Soldering Temperature.....	260°C for 5 seconds

Electrical & Optical Characteristics at $T_A = 25^\circ\text{C}$

Part Number	Emitting Color	Chip Material	Peak Wave Length	Dominant Wave Length	Viewing Angle	Forward Voltage @20mA (V)		Luminous Intensity @20mA(mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			nm	nm	Deg				
PL0086-WCRGB	Orange-Red	AlGaInP	632	625	120°	2.1	2.6	165.0	400.0
	Pure Green	InGaN	—	520		3.5	4.2	200.0	650.0
	Blue	InGaN	—	470		3.5	4.2	70.0	120.0

Package Dimensions are in **Millimeters**. Tolerance is $\pm 0.25\text{mm}$ unless otherwise specified.

