



PL00283 Series SMD LED Bi-Color 1110 Package

Features

- *Flat Lens Package 3.0 x 2.5 x 1.1mm
- *AlGaInP Ultra Bright Orange-Red and Yellow-Green LED Chips used
- *Low Current Requirements
- *High Light Output
- *Compatible with IR Solder-Process
- *Industry Standard Footprint
- *For use as Optical Indicator, Backlighting
- *2000 or 1000 pcs per Reel
- *RoHS Compliant

Absolute Maximum Ratings at T_A = 25°C

Power Dissipation (Red).....	78mW
Power Dissipation (Green).....	78mW
Reverse Voltage (<100 mA).....	5.0V
Max Forward Current (Red).....	30mA
Max Forward Current (Green).....	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width).....	100mA
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_A = 25°C

Part Number	Emitting Color	Chip Material	Peak Wave Length	Dominant Wave Length	Viewing Angle 2θ ½	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			nm	nm	Deg				
PL00283-WCRG0817	Orange-Red Yellow-Green	AlGaInP AlGaInP	630	620	120°	2.0	2.6	30.0	60.0
			572	574		2.1	2.6	30.0	60.0

All dimensions are in **Millimeters**. Tolerance is ± 0.25mm unless otherwise specified.

