



## PL00283 Series SMD LED Bi-Color 1110 Package

### Features

- \*Flat Lens Package 3.0 x 2.5 x 1.1mm
- \*AlGaInP Ultra Bright Red and GaN 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

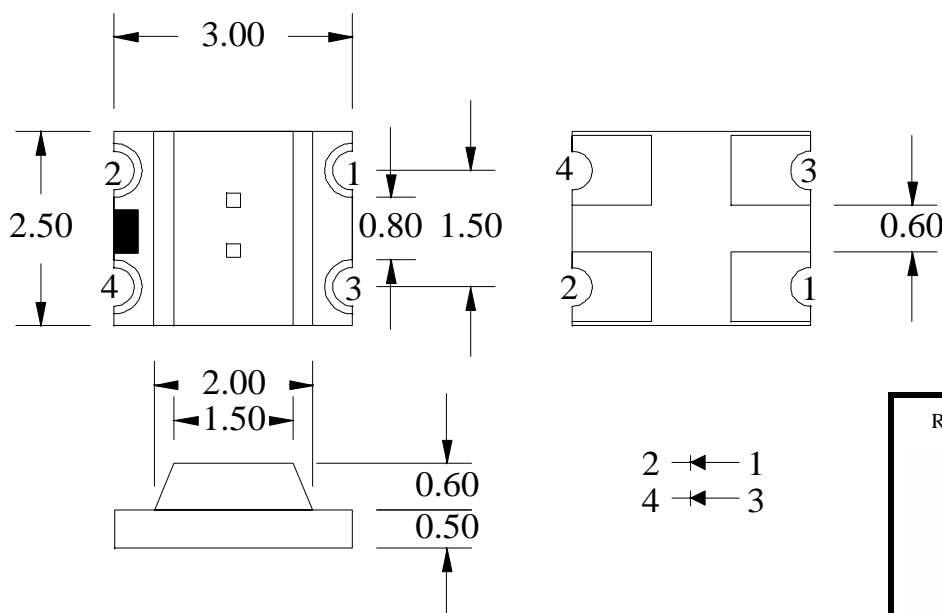
### Absolute Maximum Ratings at T<sub>A</sub> = 25°C

Power Dissipation (Red).....	130mW
Power Dissipation (Green).....	120mW
Reverse Voltage (<100 mA).....	5.0V
Max Forward Current.....	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) (Red).....	150mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) (Green).....	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<sub>A</sub> = 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-WCRG2605	Red Pure Green	AlGaInP GaN	650 523	630 525	120°	2.0 2.1	2.4 2.6	50.0 135.0	90.0 200.0

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



Recommended Soldering Pad Layout

