



## PL00182 Series Bi-Color SMD LED 1210 Package

### Features

- \*Flat lens thin package 3.2 x 2.7 x 1.1mm
- \*AlInGaP red and InGaN green chip used
- \*Low current requirements
- \*High light output
- \*Compatible with IR solder-process
- \*Industry standard footprint
- \*4000 pcs per reel
- \*RoHS compliant

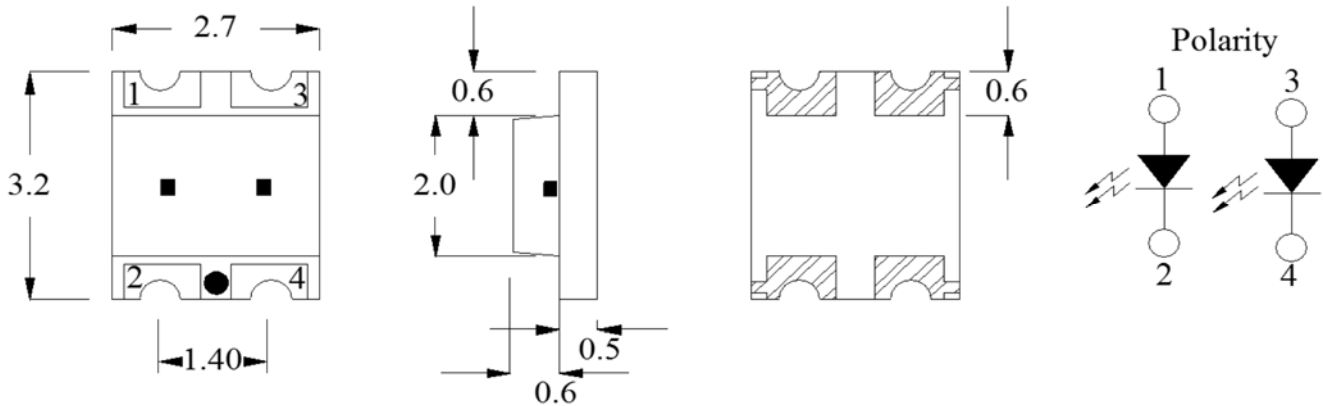
### Absolute Maximum Ratings at T<sub>A</sub> = 25°C

Power Dissipation.....	78mW (R), 84mW (G)
Reverse Voltage (<10μA) .....	5.0V
Max Forward Current .....	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<sub>A</sub> = 25°C

Part Number	Emitting Color	Chip Material	Dominant Wave Length (nm) Typ	Peak Wave Length (nm) Typ	Viewing Angle 2θ1/2 Deg	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
PL00182-WCRG1825	Ultra Bright Red	AlInGaP	631	645	120°	2.1	2.6	45	115
	True Green	InGaN	523	525		3.3	3.8	180	315

Package Dimensions are in **Millimeters**. Tolerance is ± 0.15mm unless otherwise specified.



### Recommended Soldering Pad Layout

