



PL00300 Series Tri-Color SMD LED 1204 Package

Features

- *Flat Lens Package 3.2 x 1.35 x 1.0mm
- *AlGaInP Ultra Bright Red and Green and GaN Blue 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

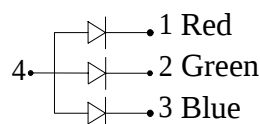
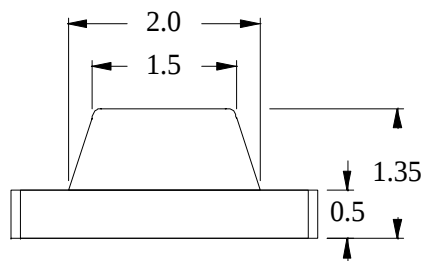
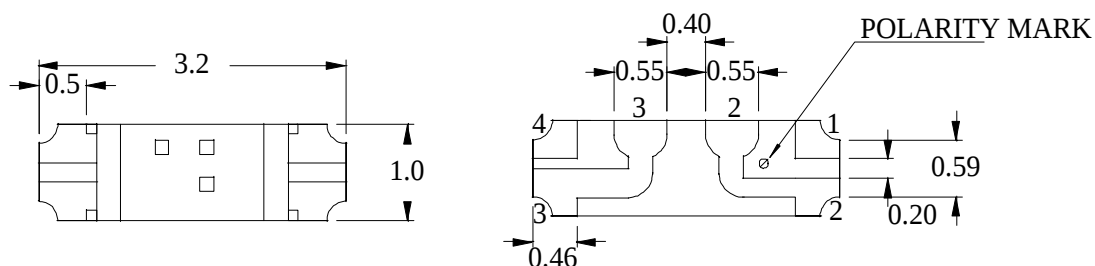
Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Power Dissipation (Red).....	72mW
Power Dissipation (Green).....	78mW
Power Dissipation (Blue).....	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 & Blue).....	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 $T_A = 25^\circ\text{C}$

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				
PL00300-WCRGB260508	Red	AlGaInP	650	630	120°	1.95	2.4	40.0	80.0
	Yellow-Green	AlGaInP	574	570		2.1	2.6	30.0	70.0
	Blue	GaN	—	470		3.5	4.0	25.0	40.0

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



Recommended Soldering Pad Layout

