

P-tec Corp. Tel:(800)688-0613
 2405 Commerce Circle Tel:(719) 589 3122
 Alamosa Co. 81101 Fax:(719) 589 3592
 www.p-tec.net sales@p-tec.net



PL00238 Series Tri-Color SMD LED 0606 Package

Features

- *Flat Lens Package 1.6 x 1.6 x 0.75mm
- *AlGaInP Ultra Bright Red and GaN Green and 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

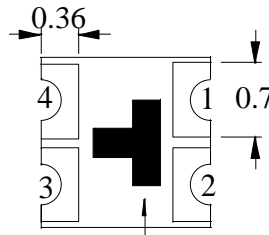
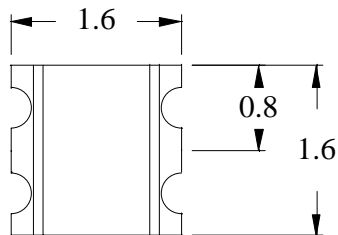
Absolute Maximum Ratings at T_A = 25°C

Power Dissipation (Red).....	130mW
Power Dissipation (Green & Blue).....	120mW
Reverse Voltage (<100µA).....	5.0V
Max Forward Current (Red).....	50mA
Max Forward Current (Green & Blue).....	30mA
Peak Forward Current (Red) (1/10 Duty Cycle, 0.1ms Pulse Width).....	150mA
Peak Forward Current (Green & Blue) (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 2θ1/2	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			nm	nm	Deg				
PL00238-WCRGB250508	Red	AlGaInP	650	630	120°	2.1	2.6	70.0	165.0
	Pure Green	GaN	523	525		3.5	4.0	90.0	200.0
	Blue	GaN	—	470		3.5	4.0	25.0	40.0

Package Dimensions are in **Millimeters**. Tolerance is ± 0.25mm unless otherwise specified.



POLARITY MARK

