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## 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 Yellow 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

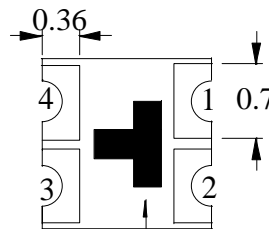
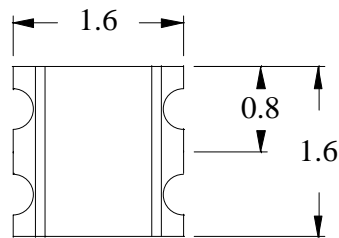
### Absolute Maximum Ratings at T<sub>A</sub> = 25°C

Power Dissipation (Red).....	72mW
Power Dissipation (Green).....	120mW
Power Dissipation (Yellow).....	78mW
Reverse Voltage (<100µA).....	5.0V
Max Forward Current .....	30mA
Peak Forward Current (Red) (1/10 Duty Cycle, 0.1ms Pulse Width).....	150mA
Peak Forward Current (Green & Yellow) (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

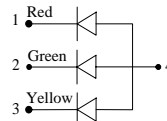
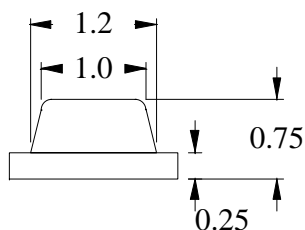
### Electrical & Optical Characteristics at T<sub>A</sub> = 25°C

Part Number	Emitting Color	Chip Material	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-WCRGY260508	Red	AlGaInP	650	630	120°	1.95	2.4	35.0	60.0
	Pure Green	GaN	523	525		3.5	4.0	90.0	200.0
	Yellow	AlGaInP	592	590		2.1	2.6	50.0	80.0

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



POLARITY MARK



#### Recommended Soldering Pad

