



## PL00234 Series Bi-Color SMD LED 0605 Package

### Features

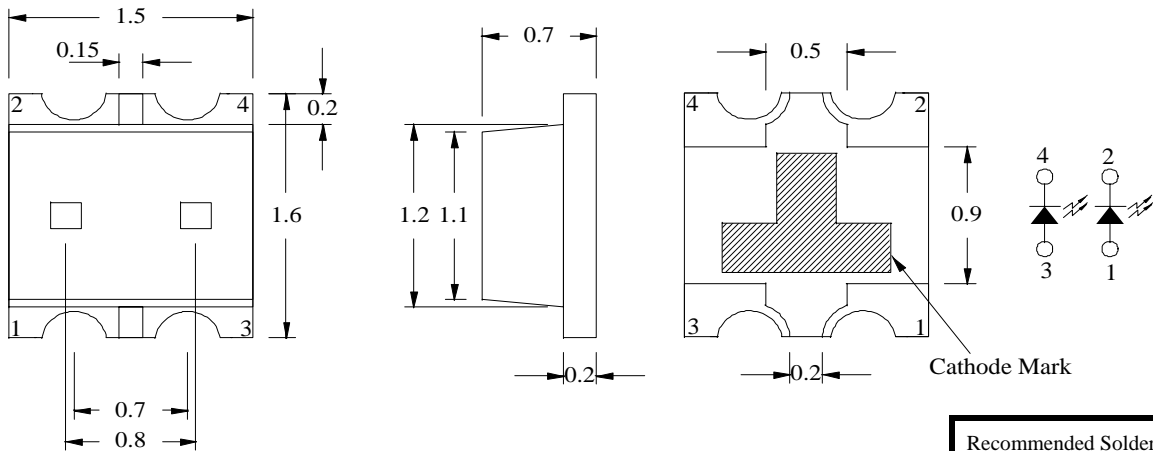
- \*Flat Lens Package 1.6 x 1.5 x 0.7 mm
- \*AlGaInP Ultra Bright Red and AlGaInP Ultra Bright Green Chip used
- \*Low Current Requirements
- \*High Light Output
- \*Compatible with IR Solder-Process
- \*Industry Standard Footprint
- \*For use as Optical Indicator, Backlighting
- \*2000 or 1000 pcs per Reel
- \*RoHS Compliant

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

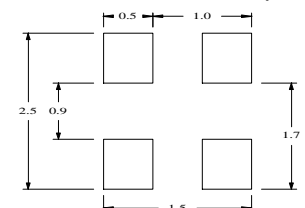
Power Dissipation (Red).....	72mW
Power Dissipation (Green).....	78mW
Reverse Voltage (<100 mA).....	5.0V
Max Forward Current .....	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) (Red).....	150mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) (Green).....	100mA
Operating Temperature 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	Dominant Wave Length	Peak Wave Length	Viewing Angle 2θ ½	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			nm	nm	Deg				
PL00234-WCRG2617	Red Yellow-Green	AlGaAs AlGaInP	630	650	120°	2.0	2.4	35.0	70.0
			570	574		2.1	2.6	35.0	70.0



### Recommended Solder Pad Layout



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