



PL00234 Series Bi-Color SMD LED 0605 Package

Features

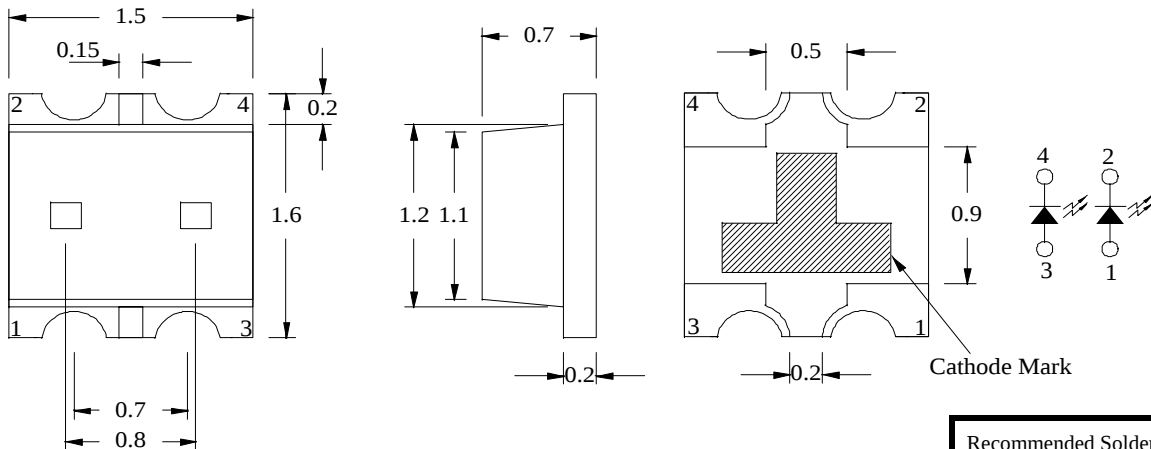
- *Flat Lens Package 1.6 x 1.5 x 0.7 mm
- *AlGaAs Super Bright Red and AlGaInP Ultra Bright Green Chip used
- *Low Current Requirements
- *High Light Output
- *Compatible with IR Solder-Process
- *Industry Standard Footprint
- *For use as Optical Indicator, Backlighting
- *2000 or 1000 pcs per Reel
-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

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

Power Dissipation (Red).....	72mW
Power Dissipation (Green).....	78mW
Reverse Voltage (<100 mA).....	5.0V
Max Forward Current (Red).....	30mA
Max Forward Current (Green).....	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 $T_A = 25^\circ\text{C}$

Part Number	Emitting Color	Chip Material	Dominant Wave Length	Peak Wave Length	Viewing Angle $2\theta_{1/2}$	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			nm	nm	Deg				
PL00234-WCRG2117	Dark Red Yellow-Green	AlGaAs AlGaInP	645 570	660 574	120°	1.9 2.1	2.4 2.6	10.0 30.0	25.0 65.0



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

Recommended Solder Pad Layout

