



PL00283 Series SMD LED Bi-Color 1110 Package

Features

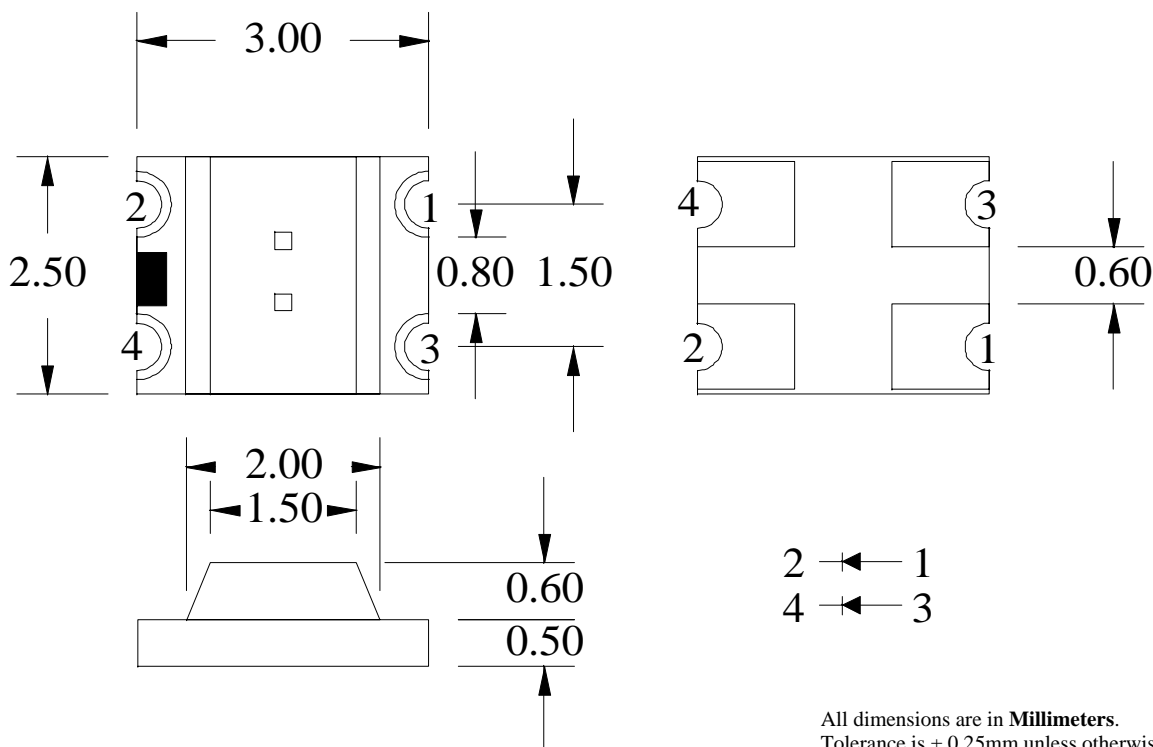
- *Flat Lens Package 3.0 x 2.5 x 1.1mm
- *AlGaAs Super Bright Red and GaP Green LED Chips used
- *Low Current Requirements
- *High Light Output
- *Compatible with IR Solder-Process
- *Industry Standard Footprint
- *For use as Optical Indicator, Backlighting
- *2000 or 1000 pcs per Reel
- *RoHS Compliant

Absolute Maximum Ratings at T_A = 25°C

| | |
|----------------------------------------------------------------|----------------------|
| Power Dissipation (Red)..... | 72mW |
| Power Dissipation (Green)..... | 65mW |
| Reverse Voltage (<100 mA)..... | 5.0V |
| Max Forward Current (Red)..... | 30mA |
| Max Forward Current (Green)..... | 25mA |
| 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°C

| Part Number | Emitting Color | Chip Material | Peak Wave Length | Dominant Wave Length | Viewing Angle 2θ ½ | Forward Voltage @20mA (V) | | Luminous Intensity @20mA (mcd) | |
|------------------|-------------------|---------------|------------------|----------------------|--------------------|---------------------------|------------|--------------------------------|--------------|
| | | | | | | Typ | Max | Min | Typ |
| | Water Clear Lens | | nm | nm | Deg | | | | |
| PL00283-WCRG2113 | Deep Red Green | AlGaAs GaP | 660 568 | 645 570 | 120° | 1.85 2.2 | 2.4 2.6 | 18.0 5.0 | 40.0 12.0 |



All dimensions are in **Millimeters**.
 Tolerance is ± 0.25mm unless otherwise specified.