



PL00283 Series SMD LED Bi-Color 1110 Package

Features

- *Flat Lens Package 3.0 x 2.5 x 1.1mm
- *GaAsP Hi-Eff 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

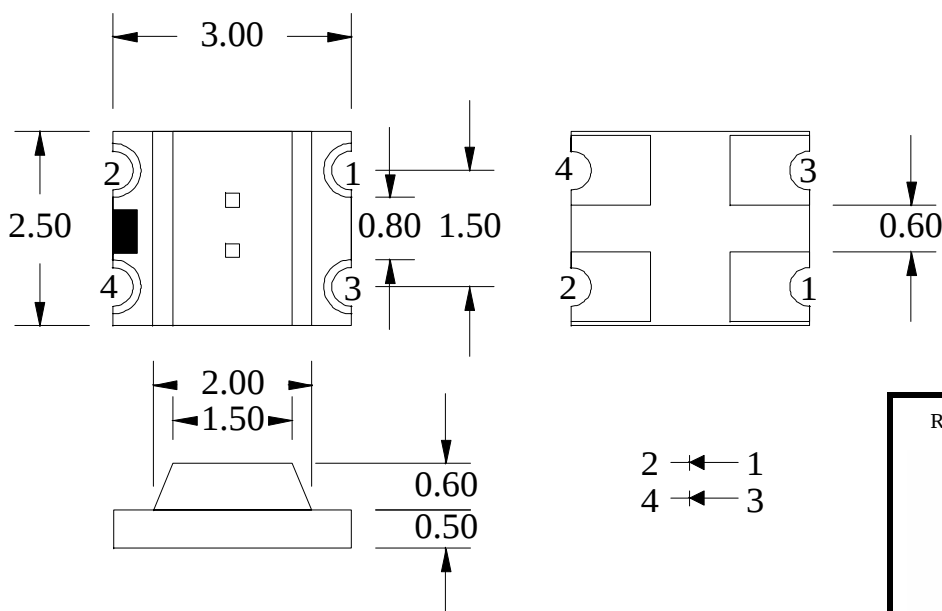
Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Power Dissipation (Red).....	75mW
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 $T_A = 25^\circ\text{C}$

Part Number	Emitting Color	Chip Material	Peak Wave Length	Dominant Wave Length	Viewing Angle $2\theta_{1/2}$	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
PL00283-WCRG1213	Orange-Red Green	GaAsP GaP	630 568	620 570	120°	2.0 2.2	2.5 2.6	5.0 5.0	12.0 12.0

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



Recommended Soldering Pad Layout

