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PL00221 Series SMD LED 0805 Package

Features

- *Flat Lens Thin Package 2.0 x 1.25 x 0.75mm
- *AlGaInP Ultra Bright Orange-Red Chip used
- *Low Current Requirements
- *High Light Output
- *Compatible with IR Solder-Process
- *Industry Standard Footprint
- *2000 or 1000 pcs per Reel
- *RoHS Compliant

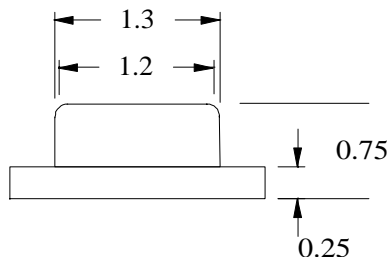
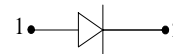
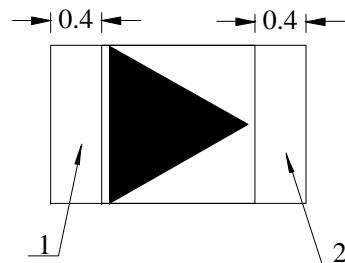
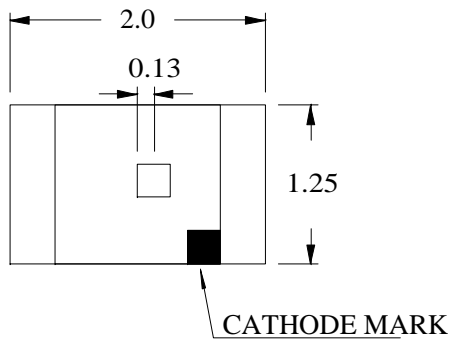
Absolute Maximum Ratings at T_A = 25°C

Power Dissipation.....	78mW
Reverse Voltage (<100μA)	5.0V
Max Forward Current	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°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	Degrees				
PL00221-WCR08	Orange-Red	AlInGaP	630	620	120°	2.0	2.6	30.0	75.0

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



Recommended Soldering Pad Layout

