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PL00221 Series SMD LED 0805 Package

Features

- *Flat Lens Thin Package 2.0 x 1.25 x 0.75mm
- *GaN Ultra Bright Green 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..... | 120mW |
| 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-WCG05 | Pure Green | GaN | 523 | 525 | 120° | 3.5 | 4.0 | 135.0 | 200.0 |

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

