



PL0012 Series SMD LED Ultra Bright Green 0805 Package

Features

- *Flat Package 2.0 x 1.25 x 0.8 mm
- *Low Current Requirements
- *High Light Output
- *Compatible with IR Solder-Process
- *Industry Standard Footprint
- *JEDEC Precondition Stress tested
- *4000 pcs per Reel
- *RoHS Compliant

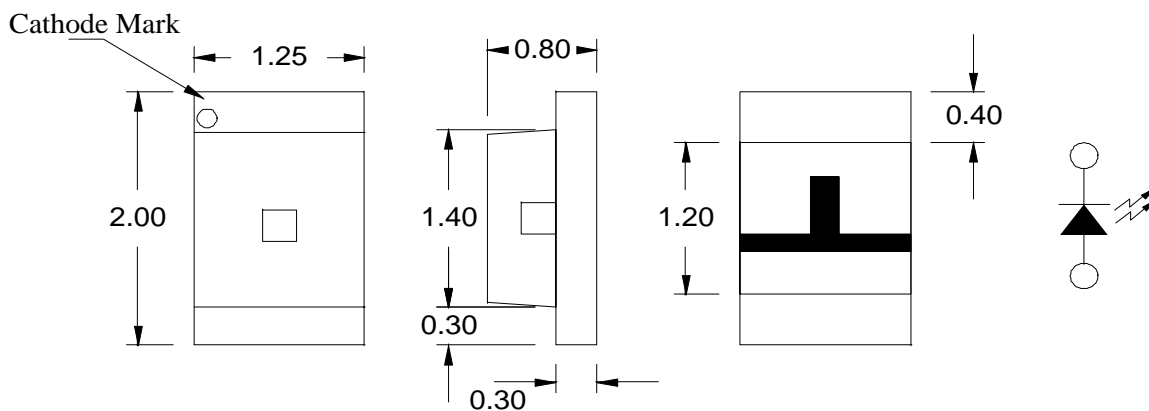
Absolute Maximum Ratings at T_A = 25°C

| | |
|---|---------------------|
| Power Dissipation..... | 78mW |
| Reverse Voltage (<100µA) | 5.0V |
| Max Forward Current | 30mA |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 80mA |
| Operating Temperature Range | -30°C to + 80°C |
| Storage Temperature Range | -40°C to + 85°C |
| Reflow Soldering Temperature..... | 260°C for 5 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 |
| PL0012-WDG23 | Yellow-Green | InGaAlP | 573 | 570 | 140 | 1.8 | 2.2 | 24.0 | 50.0 |

Package Dimensions are in **Millimeters**. Tolerance is ± 0.1mm unless otherwise specified.



Recommended Soldering Pad Layout

