

P-tec Corp. Tel:(800)688-0613
 2405 Commerce Circle Tel:(719) 589 3122
 Alamosa Co. 81101 Fax:(719) 589 3592
 www.p-tec.net sales@p-tec.net



PL00236 Series SMD LED 0603 Package

Features

- *Flat Lens Package 1.6 x 0.8 x 1.1mm
- *AlGaInP Ultra Bright Yellow Chip used
- *Low Current Requirements
- *High Light Output
- *Compatible with IR Solder-Process
- *Industry Standard Footprint
- *2000 or 1000 pcs per Reel
- *RoHS Compliant

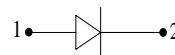
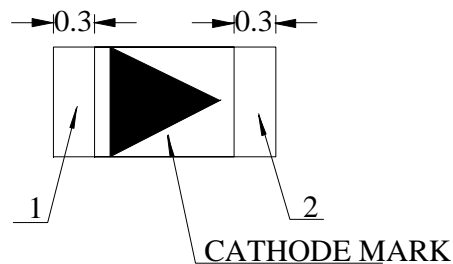
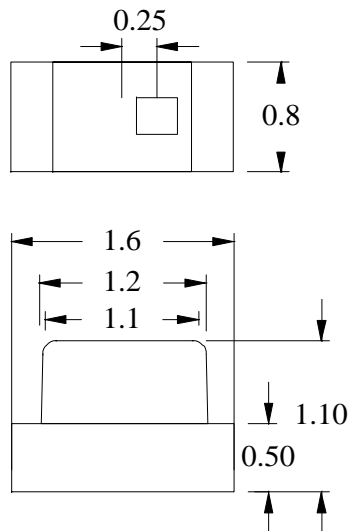
Absolute Maximum Ratings at T_A = 25°C

| | |
|---|----------------------|
| Power Dissipation..... | 120mA |
| Reverse Voltage (<100μA) | 5.0V |
| Max Forward Current | 50mA |
| 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 | Dominant Wave Length | Peak Wave Length | Viewing Angle 2θ1/2 | Forward Voltage @20mA (V) | | Luminous Intensity @20mA (mcd) | |
|------------------|----------------|---------------|----------------------|------------------|---------------------|---------------------------|-----|--------------------------------|-------|
| | | | | | | Typ | Max | Min | Typ |
| Water Clear Lens | | | nm | nm | Deg | | | | |
| PL00236-WCY02 | Yellow | AlGaInP | 589 | 591 | 120° | 2.1 | 2.4 | 90.0 | 165.0 |

Package Dimensions are in **Millimeters**. Tolerance is ± 0.15mm unless otherwise specified.



Recommended Soldering Pad Layout

