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## PL00201 Series SMD LED 1206 Package

### Features

- \*Flat Lens Thin Package 3.2 x 1.6 x 0.75mm
- \*AlGaInP Ultra Bright Amber 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 $T_A = 25^\circ\text{C}$

|  |                      |
|--|----------------------|
| Power Dissipation.....   | 72mW                 |
| Reverse Voltage (<100 $\mu$ A) .....                           | 5.0V                 |
| Max Forward Current .....                                      | 30mA                 |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)..... | 150mA                |
| Operating Temperature Range .....                              | -40°C to +85°C       |
| Storage Temperature Range .....                                | -40°C to +85°C       |
| Reflow Soldering Temperature.....                              | 260°C for 10 seconds |

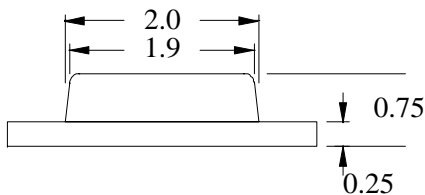
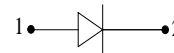
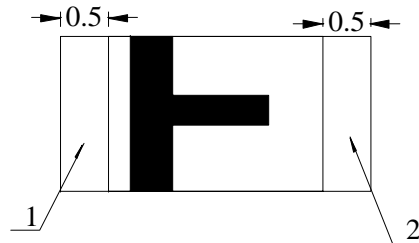
### Electrical & Optical Characteristics at $T_A = 25^\circ\text{C}$

| 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  |
| Water Clear Lens |                |               | nm               | nm                   | Degrees                      |                           |     |                                |      |
| PL00201-WCA03    | Amber          | AlInGaP       | 618              | 610                  | 120°                         | 2.0                       | 2.4 | 35.0                           | 70.0 |

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



CATHODE MARK



### Recommended Soldering Pad Layout

