



PL008R Series SMD LED PLCC-2 Package

Features

- *Bubble Lens Package 3.2 x 2.7 x 1.9 mm
- *Ultra Bright AlInGaP Yellow Chip used
- *High Luminous Output
- *Bubble Lens for a Small Viewing Angle
- *12mm Tape, 500pc Reels
- *RoHS Compliant

Absolute Maximum Ratings at T_A = 25°C

| | |
|--|---------------------|
| Power Dissipation..... | 72mW |
| Reverse Voltage (<100µA)..... | 4.0V |
| Max Forward Current..... | 30mA |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)..... | 100mA |
| Operating Temperature Range..... | -25°C to + 85°C |
| Storage Temperature Range..... | -40°C to + 100°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 2θ ½ | Forward Voltage @20mA (V) | | Luminous Flux @20mA (mlm) | Luminous Intensity @20mA (mcd) | |
|--------------|----------------|---------------|------------------|----------------------|--------------------|---------------------------|-----|---------------------------|--------------------------------|-----|
| | | | | | | Typ | Max | Typ | Min | Typ |
| PL008R-WCY04 | Yellow | AlInGaP | 590 | 587 | 30° | 2.1 | 2.4 | 500 | 420 | 750 |

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

