

## PL00123 Series SMD LED 0805 Package

### Features

- \*Flat lens package 2.0 x 1.25 x 0.8mm
- \*Low current requirements
- \*High light output
- \*Compatible with IR solder-process
- \*Industry standard footprint
- \*3000 pcs per reel
- \*RoHS compliant

### Absolute Maximum Ratings at T<sub>A</sub> = 25°C

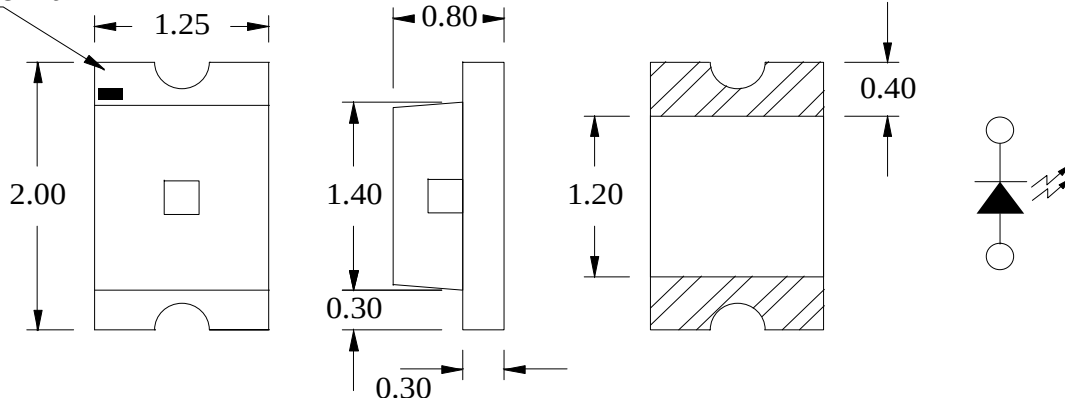
|                                                                |                      |
|----------------------------------------------------------------|----------------------|
| Power Dissipation.....                                         | 78mW                 |
| Reverse Voltage .....                                          | 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<sub>A</sub> = 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  |
| PL00123-WCR08 | Super-bright Orange-Red | AlInGaP       | 626                  | 630              | 130°                | 2.1                       | 2.6 | 45.0                           | 90.0 |

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

Cathode Mark



### Recommended Soldering Pad Layout

