



## PL008 Series Ultra Bright Blue SMD LED PLCC-2 Package

### Features

- \*PLCC-2 Package 3.2 x 2.7 x 1.9 mm
- \*High Luminous Output
- \*Very Wide Viewing Angle
- \*For use as Optical Indicator, Backlighting
- \*For Optical Coupling into Light Pipes/Lenses
- \*12mm Tape, 2000pc Reels
- \*Integrated Zener Diode for ESD protection
- \*RoHS Compliant

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

|  |                     |
|--|---------------------|
| Power Dissipation.....   | 120mW               |
| Reverse Voltage (<100µA).....                                  | 5.0V                |
| 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 |
| Electric Static Discharge Threshold (HBM).....                 | 6000V               |

### Electrical & Optical Characteristics at T<sub>A</sub> = 25°C

| Part Number      | Emitting Color | Chip Material | Peak Wave Length | Dominant Wave Length | Viewing Angle 2θ ½ | Forward Voltage @20mA (V) |     | Luminous Intensity @20mA (mcd) |       |
|------------------|----------------|---------------|------------------|----------------------|--------------------|---------------------------|-----|--------------------------------|-------|
|                  |                |               |                  |                      |                    | Typ                       | Max | Min                            | Typ   |
| Water Clear Lens |                |               | nm               | nm                   | Deg                |                           |     |                                |       |
| PL008-WCB19Z     | Blue           | InGaN         | —                | 465                  | 120°               | 3.2                       | 4.0 | 70.0                           | 120.0 |

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

