



PL1011 Series High Power White SMD LED

Features

- *Thin TO-220 Package
- *High Light Output
- *Wide Viewing Angle
- *Thermal Resistance Junction to Board is 15°C/W
- *RoHS Compliant

Absolute Maximum Ratings at T_A = 25°C

| | |
|--|----------------------|
| Reverse Voltage (50μA) | 5.0V |
| Power Dissipation | 1W |
| D.C. Forward Current | 350mA |
| Pulsed Forward Current : tp ≤100μs, Duty Cycle=0.005 | 1000mA |
| Operating Temperature Range | -30°C to +85°C |
| Storage Temperature Range | -40°C to +105°C |
| Reflow Soldering Temperature | 260°C for 10 seconds |
| ESD Threshold (HBM) | 6000V |
| LED Junction Temperature | 120°C |

Electrical & Optical Characteristics at T_A = 25°C

| Part Number | Emitting Color | Chip Material | Color Temperature (°K) | | View Angle 2θ ½ Deg | Forward Voltage @350mA (V) | | Luminous Flux (lm) | |
|------------------|----------------|---------------|------------------------|------|------------------------|----------------------------|------|--------------------|------|
| | | | Min | Max | | Typ | Max | Min | Max |
| Water Clear Lens | | | | | | | | | |
| PL1011SN-WCCW | White | InGaN | 5000 | 8000 | 120° | 2.7 | 4.25 | 23.5 | 51.6 |

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

