



PL16 Series 5mm (T1¾) Ultra Bright Pure Green LED

Features

- *Popular T1 3/4 Lens Style with Flange
- *High Intensity
- *Ultra High Light Output
- *Narrow Viewing Angle
- *Integrated Zener Diode for better ESD Protection
- *RoHS Compliant

Absolute Maximum Ratings at T_A = 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 |
| Soldering Temperature (1.6mm below body)..... | 260°C for 5 seconds |
| Electrostatic Discharge..... | 6000V |

Electrical & Optical Characteristics at T_A = 25°C

| Part Number | Emitting Color | Chip Material | Dominant Wave Length | Peak Wave Length | Viewing Angle 2θ ½ | Forward Voltage @20mA (V) | | Luminous Intensity @20mA (mcd) | |
|------------------|----------------|---------------|----------------------|------------------|--------------------|---------------------------|-----|--------------------------------|------|
| | | | | | | Typ | Max | Min | Typ |
| Water Clear Lens | | | nm | nm | Deg | | | | |
| PL16C-WCG29Z | Pure Green | InGaN | 520 | — | 15° | 3.2 | 4.0 | 1950 | 6700 |

All dimensions are in **Millimeters**. Tolerance is ± 0.25mm unless otherwise specified. An epoxy meniscus may extend about 1mm down the leads.

