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

Features

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

Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

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 $T_A = 25^\circ\text{C}$

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	Typ	Max	Min	Typ
PL16E-WCG21Z	Pure Green	InGaN	520	—	25°	3.2	4.0	1000	2000

All dimensions are in **Millimeters**. Tolerance is $\pm 0.25\text{mm}$ unless otherwise specified. An epoxy meniscus may extend about 1mm down the leads.

