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## PL03 Series 3mm (T1) LED

### Features

- \*Popular 3mm Lens Style with Flange
- \*1 InGaN Ultra Bright White Chip used
- \*High Light Output
- \*Long Life & Reliability
- \*Integrated Zener Diode for ESD Protection
- \*RoHS Compliant

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

Power Dissipation .....	120mW
Reverse Voltage (<math><50\mu\text{A}</math>).....	5.0V
Max Forward Current.....	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width).....	100mA
Operating Temperature Range.....	$-25^\circ\text{C}$ to $+85^\circ\text{C}$
Storage Temperature Range.....	$-40^\circ\text{C}$ to $+100^\circ\text{C}$
Soldering Temperature (1.6mm below body).....	$260^\circ\text{C}$ for 5 seconds
Electrostatic Discharge (ESD).....	6000V

### Electrical & Optical Characteristics at $T_A = 25^\circ\text{C}$

Part Number	Emitting Color	Chip Material	Chromaticity Coordinates		Viewing Angle $2\theta \frac{1}{2}$ Deg	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
			X	Y		Typ	Max	Min	Typ
Water Clear Lens									
PL03F-WCW13Z	White	InGaN	0.31	0.30	$30^\circ$	3.2	4.0	700	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.

