

P-tec Corp. Tel:(800)688-0613
 2405 Commerce Circle Tel:(719) 589 3122
 Alamosa Co. 81101 Fax:(719) 589 3592
 www.p-tec.net sales@p-tec.net



PL03 Series 3mm (T1) LED

Features

- *Popular 3mm Lens Style with Flange
- *1 AlGaInP Ultra Bright Red 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	75mW
Reverse Voltage (<math> <5.0\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°C to $+85^\circ\text{C}$
Storage Temperature Range.....	-40°C to $+100^\circ\text{C}$
Soldering Temperature (1.6mm below body).....	260°C for 5 seconds
Electric Static Discharge Threshold (HBM).....	6000V

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

Part Number	Emitting Color	Chip Material	Peak Wave Length	Dominant Wave Length	View Angle $2\theta_{1/2}$	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			nm	nm	Deg				
PL03G-WCR38Z	Hyper Red	AlGaInP	632	625	36°	1.9	2.5	909	1700

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.

