

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



## PL0055T Series SMD LED PLCC-6 Package

### Features

- \*Flat Lens Thin Package 5.0 x 5.0 x 1.5mm
- \*6 InGaN Ultra Bright Blue Chips used
- \*Very High Luminous Output
- \*Wide Viewing Angle
- \*1000 pc reels, 12mm Tape
- \*Integrated Zener Diode for ESD protection
- \*RoHS Compliant

### Absolute Maximum Ratings at T<sub>A</sub> = 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
Reflow Soldering Temperature.....	260°C for 10 seconds
Electric Static Discharge Threshold (HBM).....	6000V

### Electrical & Optical Characteristics at T<sub>A</sub> = 25°C

Part Number	Emitting Color	Chip Material	Peak Wave Length	Dominant Wave Length	Viewing Angle 2θ ½	Forward Voltage @40mA (V)		Luminous Intensity @40mA (mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			nm	nm	Deg				
PL0055T-WC6B11Z	Blue	InGaN	—	465	120°	3.2	4.0	370.0	970.0

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

