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## PL0055T Series SMD LED PLCC-6 Package

### Features

- \*Flat Lens Thin Package 5.0 x 5.0 x 1.5mm
- \*6 InGaN Ultra Bright White 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	Chromaticity Coordinates Typ		Viewing Angle 2θ ½ Deg	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)		Luminous Flux @20mA (lm)
			X	Y		Typ	Max	Min	Typ	
PL0055T-WC6W24Z	White	InGaN	0.31	0.30	120°	3.2	4.0	2750	5800	13000

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

