

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 Full Color SMD LED PLCC-6 Package

Features

- *Flat Lens Thin Package 5.0 x 5.0 x 1.8mm
- *2 AlGaInP Ultra Bright Hyper Red, 2 each InGaN Ultra Bright Green and 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_A = 25°C

Power Dissipation (Red).....	78mW
Power Dissipation (Green & Blue).....	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_A = 25°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)		Luminous Flux @20mA (mlm)
						Typ	Max	Min	Typ	Typ
Water Clear Lens			nm	nm	Deg					
PL0055T-WCRGB	Orange-Red	AlGaInP	620	632	120°	2.1	2.6	500	1000	2100
	Pure Green	InGaN	520	-		3.2	4.0	700	1450	3200
	Blue	InGaN	465	-		3.2	4.0	200	420	900

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

