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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 AlGaInP Ultra Bright Orange-Red Chips used
- *Very High Luminous Output
- *Wide Viewing Angle
- *1000 pc reels, 12mm Tape
- *Integrated Zener Diode for ESD protection
- *RoHS Compliant

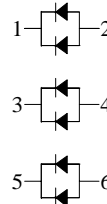
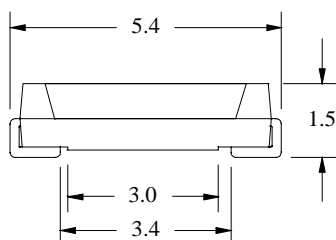
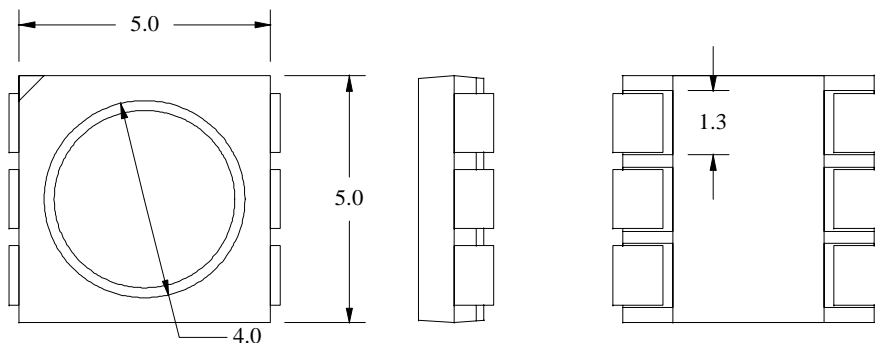
Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Power Dissipation.....	75mW
Reverse Voltage (<100 μ A).....	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 $^\circ\text{C}$
Reflow Soldering Temperature.....	260 $^\circ\text{C}$ for 10 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	Viewing Angle 2 θ 1/2	Forward Voltage @40mA (V)		Luminous Intensity @40mA (mcd)	
						Typ	Max	Min	Typ
PL0055T-WC6R34Z	Orange-Red	AlGaInP	620	615	120 $^\circ$	2.1	2.5	1000	2200

Package Dimensions are in **Millimeters**. Tolerance is $\pm 0.25\text{mm}$ unless otherwise specified.



Recommended Soldering Pad Layout

