P-tec Corp.
2405 Commerce Circle
Alamosa Co. 81101
www.p-tec.net

Tel:(800)688-0613
Tel:(719) 589 3122
Fax:(719) 589 3592
sales@p-tec.net

PL0084 Series SMD LED PLCC-4 Package Ultra Bright Pure Green

Features

*PLCC-4 Package 3.2 x 2.7 x 1.9 mm
*High Luminous Output
*Very Wide Viewing Angle
*For use as Optical Indicator, Backlighting
*For Optical Coupling into Light Pipes/Lenses
*12mm Tape, 2000 per Reel
*Integrated Zener Diode for ESD protection
*RoHS Compliant

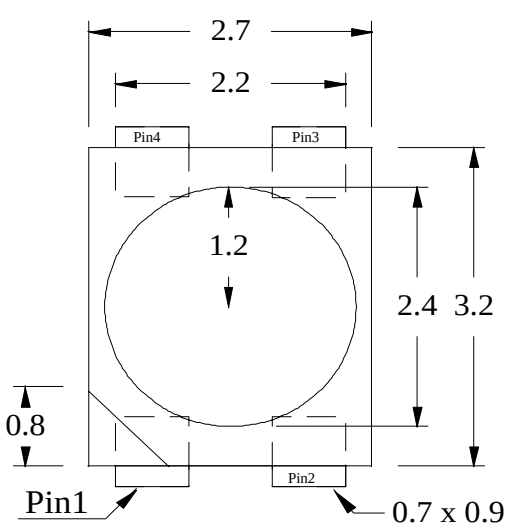
Absolute Maximum Ratings at T_A = 25°C

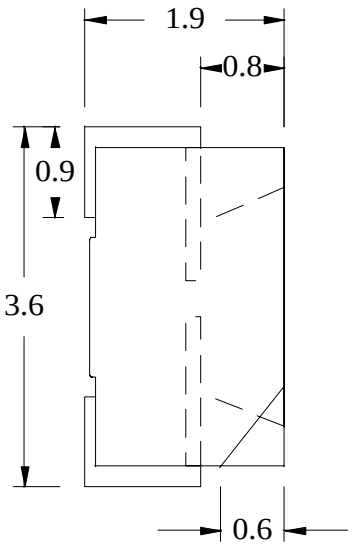
Power Dissipation	120mW
Reverse Voltage (<100µA)	5.0V
Max Forward Current	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100mA
Operating Temperature Range	-25°C to +85°C
Storage Temperature Range	-40°C to +100°C
Reflow Soldering Temperature	260°C for 5 seconds
Electric Static Discharge Threshold (HBM)	6000V

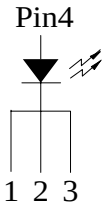
Electrical & Optical Characteristics at T_A = 25°C

Part Number	Emitting Color	Chip Material	Peak Wave Length	Dominant Wave Length	View Angle 2θ ½	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
Water Clear Lens			nm	nm	Deg	Typ	Max	Min	Typ
PL0084-WCG12Z	Pure Green	InGaN	—	525	120°	3.2	4.0	110	250

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







Recommended solder pad

