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PL0087 Series High Power SMD LED

Features

- *Round Housing with Flat Lens and 4 leads
- *Ultra Bright InGaN White chip used
- *High Light Output
- *Wide Viewing Angle
- *Thermal Resistance Junction to Case is 10°C/W
- *RoHS Complaint

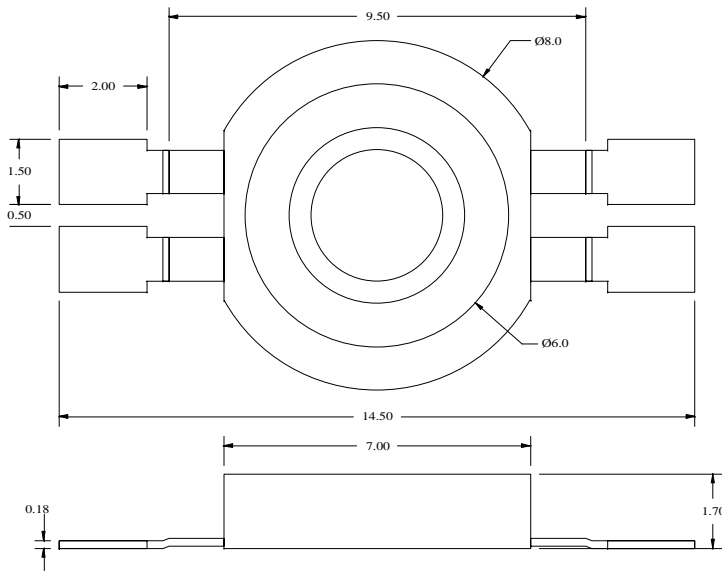
Absolute Maximum Ratings at T_A = 25°C

Reverse Voltage (50μA)	5.0V
Power Dissipation	1W
D.C. Forward Current	350mA
Pulsed Forward Current : tp ≤100μs, Duty Cycle=0.005	1000mA
Operating Temperature Range	-40°C to +75°C
Storage Temperature Range	-40°C to +105°C
Reflow Soldering Temperature	260°C for 10 seconds
ESD Threshold (HBM)	6000V
LED Junction Temperature	120°C

Electrical & Optical Characteristics at T_A = 25°C

Part Number	Emitting Color	Chip Material	Correlated Color Temperature (K)		Viewing Angle 2θ ½ Deg	Forward Voltage (V) @350mA		Luminous Flux (lm) @350mA	
			Min	Max		Min	Max	Min	Max
PL0087-WCW	Cool White	InGaN	5000	9000	120°	2.7	4.0	23.5	51.6

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



Recommended Soldering Pad Layout

