



PL1010 Series Round Lens High Power White SMD LED

Features

- *TO-220 Package
- *High Light Output
- *Wide Viewing Angle
- *Thermal Resistance Junction to Board is 15°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	-30°C to +85°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	Color Temperature (°K)		View Angle 2θ ½	Forward Voltage @350mA (V)		Luminous Flux (lm)	
			Min	Max		Typ	Max	Min	Max
PL1010SR-WCCW	White	InGaN	5000	8000	60°	2.7	4.25	23.5	51.6

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

