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## PL1010 Series Oval 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<sub>A</sub> = 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<sub>A</sub> = 25°C

Part Number	Emitting Color	Chip Material	Color Temperature (°K)		View Angle 2θ ½ Deg	Forward Voltage @350mA (V)		Luminous Flux (lm)	
			Min	Max		Typ	Max	Min	Max
PL1010SO-WCCW	White	InGaN	5000	8000	H60° V30°	2.7	4.25	23.5	51.6

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

