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PL1010 Series Oval Lens High Power Warm 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)	
Water Clear Lens			Min	Max	Deg	Typ	Max	Min	Max
PL1010SO-WCWW	White	InGaN	2700	3700	H60° V30°	2.7	4.25	23.5	51.6

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

