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PL00180 Series Full Color RGB SMD LED 1210 Package

Features

- *Flat Package 3.2 x 2.7 x 0.9 mm
- *Ultra Bright Red, Pure Green and Blue LED Chips used
- *Low Current Requirements
- *Compatible with IR Solder-Process
- *Industry Standard Footprint
- *3000 pcs. per Reel
- *RoHS Compliant

Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Power Dissipation (Red).....	78mW
Power Dissipation (Green & Blue).....	84mW
Reverse Voltage (<100 μ A).....	5.0V
Max Forward Current.....	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width).....	100mA
Operating Temperature Range.....	-40°C to +80°C
Storage Temperature Range.....	-40°C to +85°C
Soldering Temperature (1.6mm below body).....	260°C for 10 seconds

Electrical & Optical Characteristics at $T_A = 25^\circ\text{C}$

Part Number	Emitting Color	Chip Material	Peak Wave Length	Dominant Wave Length	View Angle 2 θ 1/2	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			nm	nm	Deg				
PL00180-WCRGB252511	Red	AlInGaP	645	631	120°	2.1	2.6	72.0	93.0
	True Green	InGaN	523	525	120°	3.1	4.2	115	180
	Blue	InGaN	468	470	120°	2.9	4.2	45.0	72.0

Package Dimensions are in **Millimeters** Tolerance is ± 0.1 unless otherwise specified.

