



PL00123 Series SMD LED 0805 Package

Features

- *Flat lens package 2.0 x 1.25 x 0.8mm
- *Low current requirements
- *High light output
- *Compatible with IR solder-process
- *Industry standard footprint
- *3000 pcs per reel
- *RoHS compliant

Absolute Maximum Ratings at T_A = 25°C

Power Dissipation.....	65mW
Reverse Voltage	5.0V
Max Forward Current	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width).....	100mA
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +85°C
Reflow Soldering Temperature.....	260°C for 10 seconds

Electrical & Optical Characteristics at T_A = 25°C

Part Number	Emitting Color	Chip Material	Dominant Wave Length	Peak Wave Length	Viewing Angle 2θ1/2	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			nm	nm	Deg				
PL00123-WCR20	Red	AlGaAs	643	660	130°	1.9	2.3	9.0	14.0

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

