



## PL00120 Series SMD LED 0805 Package

### Features

- \*Flat lens package 2.0 x 1.25 x 1.1mm
- \*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<sub>A</sub> = 25°C

Power Dissipation.....	78mW
Reverse Voltage (<100μA) .....	5.0V
Max Forward Current .....	25mA
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<sub>A</sub> = 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
PL00120-WCR18	Ultra-bright Red	AlInGaP	632 nm	645 nm	130°	2.1	2.6	45.0	72.0

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

