

## PL00120 Series White 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

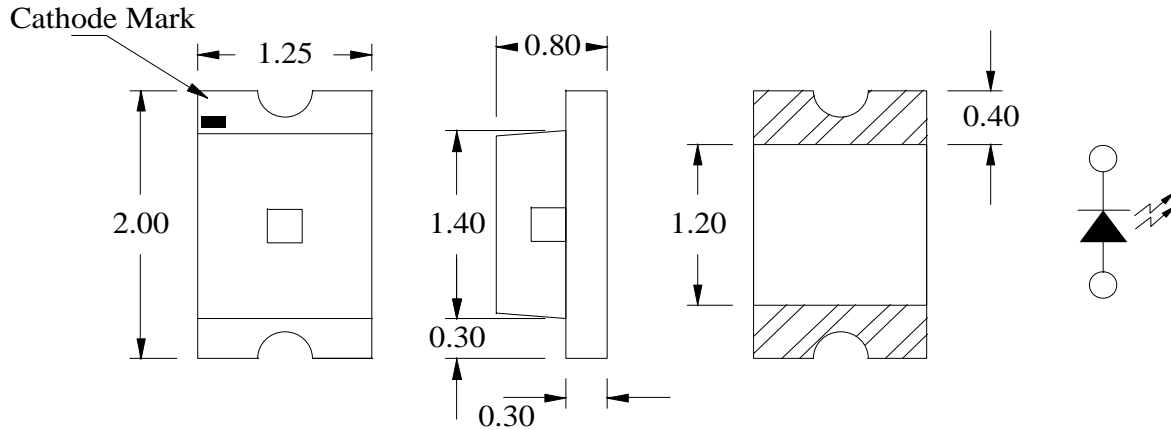
### Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Power Dissipation .....	105mW
Reverse Voltage (<math><10\mu\text{A}</math>).....	5.0V
Max Forward Current .....	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) .....	100mA
Operating Temperature Range.....	-30°C to +80°C
Storage Temperature Range.....	-40°C to +85°C
Reflow Soldering Temperature.....	230°C for 10 seconds

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

Part Number	Emitting Color	Material	Chromacity Coordinates		View Angle 2 $\theta$ 1/2	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
			X	Y		Typ	Max	Min	Typ
Yellow Diffused		Phosphorous Lens	X	Y	Deg	Typ	Max	Min	Typ
PL00123-YDW03	White	InGaN	0.31	-	130°	3.3	3.5	285.0	450.0

Package Dimensions are in **Millimeters**. Tolerance is  $\pm 0.1\text{mm}$  unless otherwise specified.



### Recommended Solder Pad Layout

