P-tec Corp.
2405 Commerce Circle
Alamosa Co. 81101
Tel:(866) 695-4162
Tel:(719) 589 3122
Fax:(719) 589 3592
www.p-tec.net

PL00100 Series SMD LED 1206 Package

Features

*Flat Lens Package 3.2 x 1.6 x 1.1mm
*AlInGaP Red LED Chip used
*Low Current Requirements
*High Light Output
*Industry Standard Footprint
*3000 per Reel
*RoHS Compliant

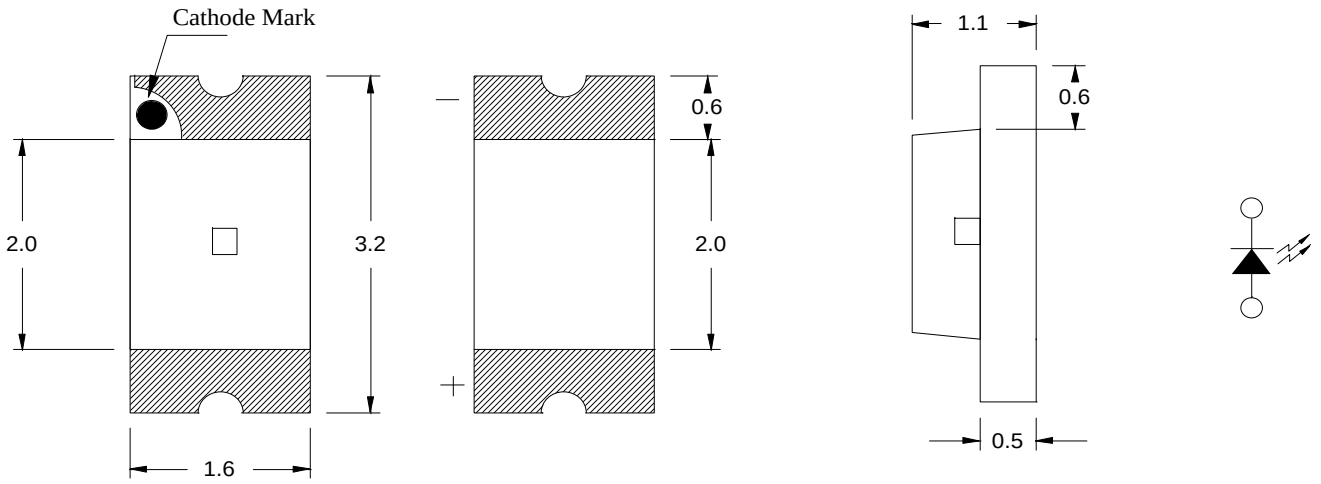
Absolute Maximum Ratings at T_A = 25°C

Power Dissipation	78mW
Reverse Voltage (<100µA)	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)	
Water Clear Lens			nm	nm	Deg	Typ	Max	Min	Typ
PL00100-WCR18	Super Bright Red	AlInGaP	632	645	140°	2.1	2.6	45.0	72.0

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



Recommended Soldering Pad Layout

