

P-tec Corp. Tel:(800)688-0613  
 2405 Commerce Circle Tel:(719) 589 3122  
 Alamosa Co. 81101 Fax:(719) 589 3592  
 www.p-tec.net sales@p-tec.net



## PL00233 Series SMD LED 0603 Package

### Features

- \*Flat Lens Thin Package 1.6 x 0.8 x 0.65mm
- \*AlGaAs Super Bright Red Chip used
- \*Low Current Requirements
- \*High Light Output
- \*Compatible with IR Solder-Process
- \*Industry Standard Footprint
- \*2000 or 1000 pcs per Reel
- \*RoHS Compliant

### Absolute Maximum Ratings at T<sub>A</sub> = 25°C

Power Dissipation.....	72mA
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<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
Water Clear Lens			nm	nm	Deg				
PL00233-WCR21	Deep Red	AlGaAs	645	660	120°	1.85	2.4	10.0	25.0

Package Dimensions are in **Millimeters**. Tolerance is ± 0.15mm unless otherwise specified.

