

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



## PL00131 Series SMD LED 0603 Package

### Features

- \*Flat Lens Thin Package 1.6 x 0.8 x 0.6mm
- \*Low Current Requirements
- \*High Light Output
- \*Compatible with IR Solder-Process
- \*Industry Standard Footprint
- \*4000 pcs per Reel
- \*RoHS Compliant

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

Power Dissipation .....	78mW
Reverse Voltage (<10μA) .....	5.0V
Max Forward Current .....	20mA
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 2θ ½	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			nm	nm	Deg	Typ	Max	Min	Typ
PL00131-WCR18	Super bright Orange-Red	AlInGaP	632	645	130°	2.1	2.6	45.0	72.0

Package Dimensions are in **Millimeters**. Tolerance is ± 0.1mm unless otherwise specified.

