



PL00131 Series SMD LED 0603 Package Top View

Features

- *Dome lens thin package 1.6 x 0.8 x 0.6mm
- *AlInGaP ultra-bright red chip used
- *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_A = 25°C

Power Dissipation.....	78W
Reverse Voltage (<10μA)	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 (nm) Typ	Peak Wave Length (nm) Typ	Viewing Angle 2θ1/2 Deg	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			(nm) Typ	(nm) Typ	Deg	Typ	Max	Min	Typ
PL00131-WCR08	Ultra-Bright Red	AlInGaP	626	630	110°	2.1	2.6	45	90

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

