P-tec Corp. **Tel:(866) 695 4162**
2405 Commerce Circle **Tel:(719) 589 3122**
Alamosa CO 81101 **Fax:(719) 589 3592**
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PL00133 Series SMD LED 0603 Package

Features

*Flat Lens Thin Package 1.6 x 0.8 x 0.4mm
*Low Current Requirements
*High Light Output
*Compatible with IR Solder-Process
*Industry Standard Footprint
*4000 pcs per Reel
*RoHS Compliant

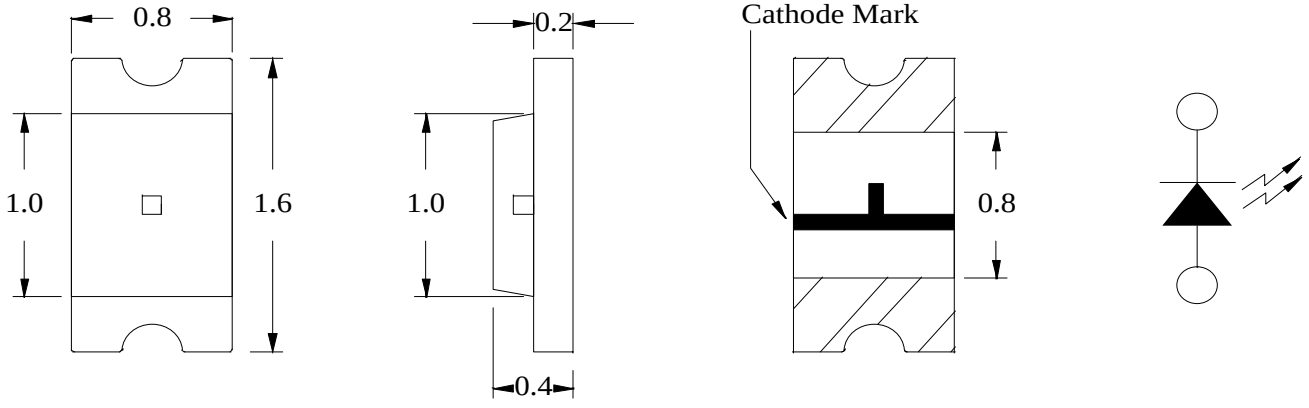
Absolute Maximum Ratings at T_A = 25°C

Power Dissipation	84mW
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	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
PL00133-WCG25	Green	InGaN	524	523	130°	3.3	3.5	182	368

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



Recommended Soldering Pad Layout

