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## PL00233 Series SMD LED 0603 Package

### Features

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

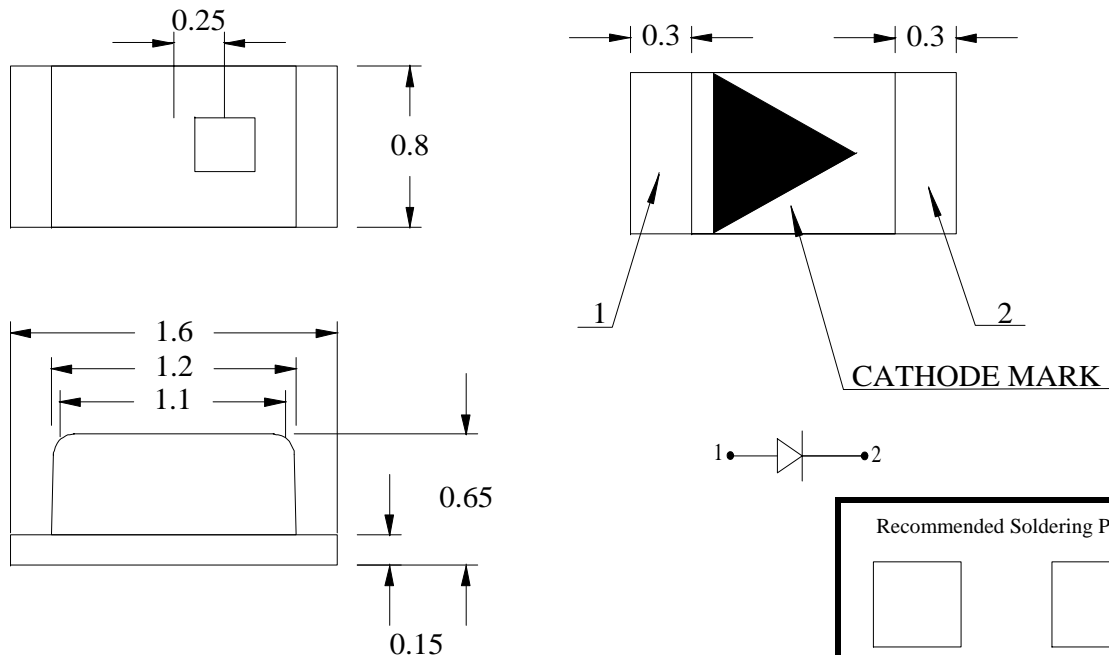
### Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Power Dissipation.....	65mA
Reverse Voltage (<100 $\mu$ A) .....	5.0V
Max Forward Current .....	25mA
Peak Forward Current(1/10 Duty Cycle, 0.1ms Pulse Width).....	100mA
Operating Temperature Range .....	-40 $^\circ\text{C}$ to + 85 $^\circ\text{C}$
Storage Temperature Range .....	-40 $^\circ\text{C}$ to + 85 $^\circ\text{C}$
Reflow Soldering Temperature.....	260 $^\circ\text{C}$ for 10 seconds

### Electrical & Optical Characteristics at $T_A = 25^\circ\text{C}$

Part Number	Emitting Color	Chip Material	Dominant Wave Length	Peak Wave Length	Viewing Angle 2 $\theta$ 1/2	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			nm	nm	Deg				
PL00233-WCG13	Green	GaP	570	568	120 $^\circ$	2.2	2.6	5.0	12.0

Package Dimensions are in **Millimeters**. Tolerance is  $\pm 0.15\text{mm}$  unless otherwise specified.



Recommended Soldering Pad Layout

