



PL0012 Series SMD LED Ultra Bright Red 0805 Package

Features

- *Flat Package 2.0 x 1.25 x 0.8 mm
- *Low Current Requirements
- *High Light Output
- *Compatible with IR Solder-Process
- *Industry Standard Footprint
- *JEDEC Precondition Stress tested
- *4000 pcs per Reel
- *RoHS Compliant

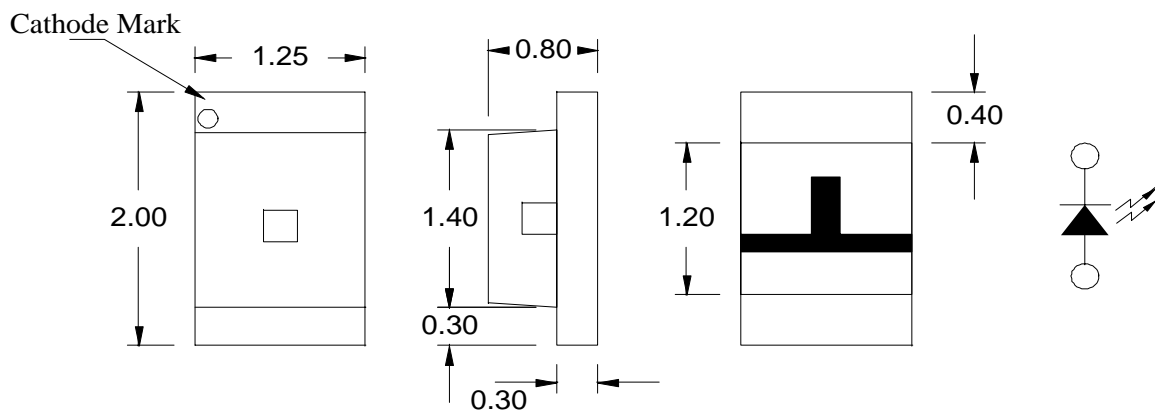
Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Power Dissipation.....	72mW
Reverse Voltage (<math><100\mu\text{A}</math>)	5.0V
Max Forward Current	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	80mA
Operating Temperature Range	-30°C to + 80°C
Storage Temperature Range	-40°C to + 85°C
Reflow Soldering Temperature.....	260°C for 10 seconds

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

Part Number	Emitting Color	Chip Material	Peak Wave Length	Dominant Wave Length	Viewing Angle 2 θ 1/2	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
White Diffused Lens			nm	nm	Deg				
PL0012-WDR23	Deep Red	AlGaInP	650	639	140	1.9	2.4	36.0	70.0

Package Dimensions are in **Millimeters**. Tolerance is $\pm 0.1\text{mm}$ unless otherwise specified.



Recommended Soldering Pad Layout

