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PL82 Series 3mm 3 Leaded Bi-Color LED

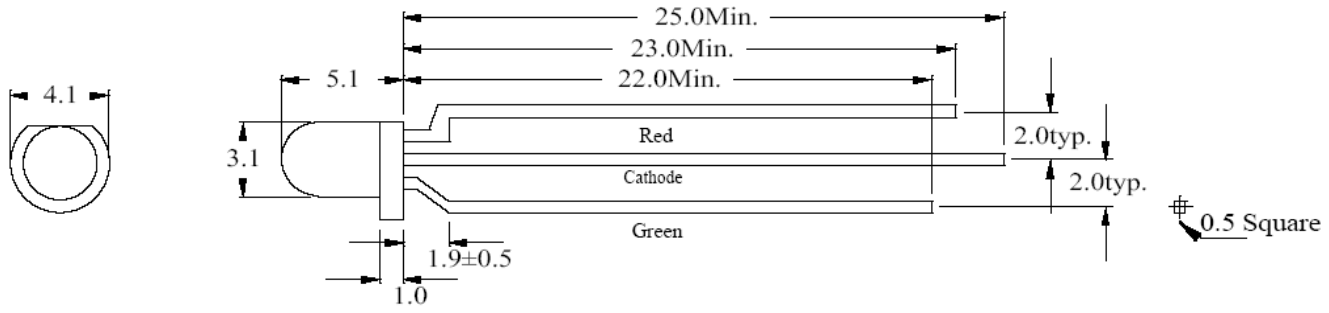
Features

*Popular 3mm Lens Style with Flange
*Hi-Eff Red & Green Chips used
*Common Cathode
*White Diffused Lens for a Wide Viewing Angle
*2.0 mm Lead Spacing
*Both LED Chips lit will create a 3rd Color
*RoHS Compliant

Absolute Maximum Ratings at T_A = 25°C

Power Dissipation (Red)	78mW
Poser Dissipation (Green)	78mW
Reverse Voltage (<100 mA)	5.0V
Max Forward Current	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100mA
Operating Temperature Range	-25°C to +85°C
Storage Temperature Range	-40°C to +100°C
Soldering Temperature (1.6mm from body)	260°C for 5 seconds

Electrical & Optical Characteristics at T_A = 25°C

Part number	Emitting Color	Chip Material	Peak Wave Length	Dominant Wave Length	Viewing Angle 2θ ½	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
White Diffused Lens			nm	nm	Deg.	Typ	Max	Min	Typ
PL82-WDRG1213	Orange-Red Green	GaAsP GaP	635 567	626 572	70°	2.1 2.1	2.6 2.6	10.0 10.0	21.0 20.0

All dimensions are in **Millimeters**. Tolerance is ± 0.25mm unless otherwise specified. An epoxy meniscus may extend about 1mm down the leads.