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PL83 Series 3mm Bi-Color LED

Features

- *Popular 3mm Lens Style with Flange
- *Green & Yellow Chips used
- *White Diffused Lens for a Wide Viewing Angle
- *RoHS Compliant

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

Power Dissipation (Red).....	78mW
Power 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 $T_A = 25^\circ\text{C}$

Part number	Emitting Color	Chip Material	Peak Wave Length	Dominant Wave Length	Viewing Angle $2\theta_{1/2}$	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
White Diffused Lens			nm	nm	Deg.				
PL83-WDRG1213	Orange-Red Green	GaAsP GaP	635 567	626 572	118°	2.1 2.1	2.6 2.6	5.0 5.0	12.0 11.0

All dimensions are in **Millimeters**. Tolerance is $\pm 0.25\text{mm}$ unless otherwise specified. An epoxy meniscus may extend about 1mm down the leads.

