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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 (Green).....	78mW
Power Dissipation (Yellow).....	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-WDGY1301	Green Yellow	GaP GaAsP	567 585	572 590	118°	2.1 2.1	2.6 2.6	5.0 4.0	11.0 9.0

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.

