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## PL506 Series 5mm LED Single Right Angle Holder

### Features

- \*Popular Right Angle PCB Indicator
- \*Housing Material Black Nylon UL94V-2
- \*High Light Output
- \*1 Yellow Led with Color Diffused Lens used
- \*Reliable and Rugged
- \*RoHS Compliant

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

Power Dissipation.....	78mW
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).....	100mA
Operating Temperature Range.....	$-25^\circ\text{C}$ to $+85^\circ\text{C}$
Storage Temperature Range.....	$-40^\circ\text{C}$ to $+100^\circ\text{C}$
Soldering Temperature (1.6 mm below body).....	$260^\circ$ 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
Color Diffused Lens			nm	nm	Deg				
PL506-1Y01	Yellow	GaAsP	585	590	$30^\circ$	2.1	2.6	10.0	24.0

All dimensions are in **Millimeters**. Tolerance is  $\pm 0.25\text{mm}$  unless otherwise specified.

