

P-tec Corp. Tel:(866) 695 4162  
 2405 Commerce Circle Tel:(719) 589 3122  
 Alamosa CO 81101 Fax:(719) 589 3592  
 www.p-tec.net



## PL104 Series 1.8mm Miniature Quad Level LED Holder

### Features

- \*Miniature Quad Level LED Holder, Right Angled
- \*Space saving Circuit Board Indicator
- \*High Light Output
- \*Housing Material Black Nylon UL94V-2
- \*4 Bright Red LEDs with Color Diffused Lens used
- \*LEDs arranged from Top to Bottom
- \*RoHS Compliant

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

Power Dissipation.....	90mW
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).....	$260^\circ\text{C}$ 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
Color Diffused Lens			nm	nm	Deg				
PL104-4R24	Red	GaP	700	650	$30^\circ$	2.1	3.0	4.0	8.0

All dimensions are in Millimeters. Tolerance is  $\pm 0.5\text{mm}$  unless otherwise specified.

