

P-tec Corp. Tel:(800)688-0613
 2405 Commerce Circle Tel:(719) 589 3122
 Alamosa Co. 81101 Fax:(719) 589 3592
 www.p-tec.net sales@p-tec.net



PL103 Series 1.8mm Miniature Tri-Level LED Holder

Features

- *Miniature Tri-Level LED Holder, Right Angled
- *Space saving Circuit Board Indicator
- *High Light Output
- *Housing Material Black Nylon UL94V-2
- *3 Hi-Eff Red LEDs with Color Diffused Lens used
- *Color Arranged from Top to Bottom
- *RoHS Compliant

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

| | |
|--|---------------------|
| Power Dissipation..... | 78mW |
| Reverse Voltage (<100 μA)..... | 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 (1.6 mm below 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 θ 1/2 | Forward Voltage @20mA (V) | | Luminous Intensity @20mA (mcd) | |
|---------------------|----------------|---------------|------------------|----------------------|---------------------------------|---------------------------|-----|--------------------------------|------|
| | | | | | | Typ | Max | Min | Typ |
| Color Diffused Lens | | | nm | nm | Deg | | | | |
| PL103-3R12 | Orange-Red | GaAsP | 635 | 626 | 30° | 2.1 | 2.6 | 29.0 | 52.0 |

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

