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## PL03 Series 3mm (T1) LED

### Features

- \*Popular 3mm Lens Style with Flange
- \*1 AlGaInP Ultra Bright Red Chip used
- \*High Light Output
- \*Long Life & Reliability
- \*RoHS Compliant

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

|  |                     |
|--|---------------------|
| Power Dissipation .....  | 72mW                |
| Reverse Voltage (<5.0 $\mu$ A).....                            | 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 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 | View Angle<br>2 $\theta$ 1/2 | Forward Voltage @20mA (V) |     | Luminous Intensity @20mA (mcd) |      |
|------------------|----------------|---------------|------------------|----------------------|------------------------------|---------------------------|-----|--------------------------------|------|
|                  |                |               |                  |                      |                              | Typ                       | Max | Min                            | Typ  |
| Water Clear Lens |                |               | nm               | nm                   | Deg                          |                           |     |                                |      |
| PL03G-WCR17      | Red            | AlGaInP       | 650              | 639                  | 36°                          | 1.9                       | 2.4 | 620                            | 1200 |

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.

