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PL16 Series 5mm (T1¾) LED

Features

- *Popular T1 3/4 Lens style with Flange
- *AlGaInP Ultra Bright Red Chip used
- *Narrow Viewing Angle
- *High Intensity
- *Ultra High Light Output
- *RoHS Compliant

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

| | |
|----------------------------------------------------------------|---------------------|
| Power Dissipation | 72mW |
| Reverse Voltage (<100 μ 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 | Dominant Wave Length | Peak Wave Length | Viewing Angle 20 ½ | Forward Voltage @20mA (V) | | Luminous Intensity @20mA (mcd) | |
|-------------|----------------|---------------|----------------------|------------------|-----------------------|---------------------------|-----|--------------------------------|-------|
| | | | | | | Typ | Max | Min | Typ |
| PL16D-WCR18 | Deep Red | AlInGaP | 639 | 650 | 20° | 1.9 | 2.4 | 429.0 | 800.0 |

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.

