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PL16 Series 5mm (T1¾) Purple LED

Features

- *Popular 5mm Lens Style with Flange
- *Integrated Zener Diode
- *High Light Output
- *Narrow Viewing Angle
- *Low Current Requirements
- *RoHS Compliant

Absolute Maximum Ratings at T_A = 25°C

| | |
|--|---------------------|
| Power Dissipation..... | 120mW |
| Reverse Voltage (<100µA)..... | 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 |
| Electrostatic discharge (ESD)..... | 6000V |

Electrical & Optical Characteristics at T_A = 25°C

| Part Number | Emitting Color | Chip Material | Peak Wavelength | Viewing Angle 2θ ½ | Forward Voltage @20mA (V) | | Luminous Intensity @20mA (mcd) | |
|------------------|----------------|--------------------|-----------------|-----------------------|------------------------------|-----|-----------------------------------|-----|
| | | | | | Typ | Max | Min | Typ |
| Water Clear Lens | | | nm | Deg | | | | |
| PL16C-WCP03 | Purple | InGaN/ Sapphire | 400 | 15° | 3.2 | 4.0 | 45 | 100 |

All dimensions are in **Millimeters**. Tolerance is ± 0.25mm unless otherwise specified. An epoxy meniscus may extend about 1mm down the

