

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



PL16 Series 5mm (T1¾) Purple LED

Features

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

Absolute Maximum Ratings at T_A = 25°C

Power Dissipation.....	80mW
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).....	1000V

Electrical & Optical Characteristics at T_A = 25°C

Part Number	Emitting Color	Chip Material	Chromaticity Coordinates		Viewing Angle 2θ ½ Deg	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
			X	Y		Typ	Max	Min	Typ
PL16B-WCP02	Purple	GaN/SiC	0.20	0.15	10°	3.2	4.0	60	100

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

