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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 $\mu$ 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	Dominant Wave Length	Peak Wave Length	Viewing Angle 20 ½	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
PL16D-WCR23	Deep Red	AlInGaP	639	650	20°	1.9	2.4	622	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.

