

P-tec Corp. Tel:(800)688-0613  
 2405 Commerce Circle Tel:(719) 589 3122  
 Alamosa Co. 81101 Fax:(719) 589 3592  
 www.p-tec.net sales@p-tec.net



## PL16 Series 5mm (T1<sup>3/4</sup>) Ultra Bright Red LED

### Features

- \*Popular T1 3/4 Lens style with Flange
- \*High Intensity
- \*Ultra High Light Output
- \*Moderate Viewing Angle
- \*RoHS Compliant

### Absolute Maximum Ratings at T<sub>A</sub> = 25°C

|  |                     |
|--|---------------------|
| Power Dissipation .....  | 72mW                |
| 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 |

### Electrical & Optical Characteristics at T<sub>A</sub> = 25°C

| Part Number | Emitting Color | Chip Material | Dominant Wave Length | Peak Wave Length | Viewing Angle 2θ ½ | Forward Voltage @20mA (V) |     | Luminous Intensity @20mA (mcd) |     |
|-------------|----------------|---------------|----------------------|------------------|--------------------|---------------------------|-----|--------------------------------|-----|
|             |                |               |                      |                  |                    | Typ                       | Max | Min                            | Typ |
| PL16F-WCR29 | Hyper Red      | AlInGaP       | 630                  | 639              | 30°                | 1.9                       | 2.4 | 200                            | 500 |

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

