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## PL70 Series Cylindrical LED

### Features

- \*Flat Top 3mm Lens with Flange
- \*GaAsP Hi-Eff Red LED Chip used
- \*Very Wide Viewing Angle
- \*High Light Output
- \*Reliable and Rugged
- \*RoHS Compliant

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

|  |                     |
|--|---------------------|
| Power Dissipation.....   | 78mW                |
| 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 | Peak Wave Length | Dominant Wave Length | Viewing Angle<br>2θ ½ | Forward Voltage<br>@20mA (V) |     | Luminous Intensity<br>@20mA (mcd) |     |
|---------------------|----------------|---------------|------------------|----------------------|-----------------------|------------------------------|-----|-----------------------------------|-----|
|                     |                |               |                  |                      |                       | Typ                          | Max | Min                               | Typ |
| Color Diffused Lens |                |               | nm               | nm                   | Deg                   |                              |     |                                   |     |
| PL70-CDR12          | Orange-Red     | GaAsP         | 635              | 626                  | 96°                   | 2.1                          | 2.6 | 3.5                               | 6.5 |

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

