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## PL70 Series Cylindrical LED

### Features

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

### Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

|  |   |
|--|---|
| Power Dissipation.....   | 78mW  |
| 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 $^\circ\text{C}$ to +85 $^\circ\text{C}$  |
| Storage Temperature Range.....                                 | -40 $^\circ\text{C}$ to +100 $^\circ\text{C}$ |
| Soldering Temperature (1.6mm below body).....                  | 260 $^\circ\text{C}$ for 5 seconds            |

### Electrical & Optical Characteristics at $T_A = 25^\circ\text{C}$

| Part Number         | Emitting Color | Chip Material | Peak Wave Length | Dominant Wave Length | Viewing Angle<br>$2\theta \frac{1}{2}$ | Forward Voltage<br>@20mA (V) |     | Luminous Intensity<br>@20mA (mcd) |     |
|---------------------|----------------|---------------|------------------|----------------------|--|------------------------------|-----|-----------------------------------|-----|
|                     |                |               |                  |                      |  | Typ                          | Max | Min                               | Typ |
| White Diffused Lens |                |               | nm               | nm                   | Deg                                    |                              |     |                                   |     |
| PL70-WDG13          | Green          | GaP           | 567              | 572                  | 96 $^\circ$                            | 2.1                          | 2.6 | 2.5                               | 5.5 |

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.

