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PL44 Series Rectangular LED

Features

- *Rectangular 2x5mm Lens with Flange
- *Top Diffused for Uniform Light Output
- *GaP Green LED Chip used
- *Low Current Requirements
- *High Light Output
- *Reliable & Rugged
- *IC compatible
- *RoHS Compliant

Absolute Maximum Ratings at T_A = 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_A = 25°C

| Part Number | Emitting Color | Chip Material | Peak Wave Length | Dominant Wave Length | Viewing Angle 2θ ½ | Forward Voltage @20mA (V) | | Luminous Intensity @20mA (mcd) | |
|---------------------|----------------|---------------|------------------|----------------------|--------------------|---------------------------|-----|--------------------------------|-----|
| | | | | | | Typ | Max | Min | Typ |
| Color Diffused Lens | | | nm | nm | Deg | | | | |
| PL44-CDG13 | Green | GaP | 567 | 572 | 65° | 2.1 | 2.6 | 3.0 | 7.0 |

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

