



PL25 Series 5mm (T1¾) LED

Features

- *Popular 5mm Lens Style without Flange
- *AlGaAs Super Bright Red 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..... | 66mW |
| 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 | | | | |
| PL25-CDR21 | Deep Red | AlGaAs | 660 | 643 | 30° | 1.8 | 2.2 | 110.0 | 200.0 |

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

