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## PL43 Series Rectangular LED

### Features

- \*Rectangular 2x5mm Lens without Flange
- \*Top Diffused for Uniform Light Output
- \*GaAsP Hi-Eff Red LED Chip used
- \*Low Current Requirements
- \*High Light Output
- \*Reliable & Rugged
- \*IC compatible
- \*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 2θ ½ | Forward Voltage @20mA (V) |     | Luminous Intensity @20mA (mcd) |     |
|-------------|----------------|---------------|------------------|----------------------|--------------------|---------------------------|-----|--------------------------------|-----|
|             |                |               |                  |                      |                    | Typ                       | Max | Min                            | Typ |
| PL43-CDR12  | Orange-Red     | GaAsP         | 635              | 626                  | 90°                | 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.

