



## PL44 Series Rectangular LED

### Features

- \*Rectangular 2x5mm Lens with Flange
- \*Top Diffused for Uniform Light Output
- \*AlGaAs Super Bright 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.....	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<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
Color Diffused Lens			nm	nm	Deg				
PL44-CDR21	Deep Red	AlGaAs	660	643	65°	1.8	2.2	30.0	50.0

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

