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PL44 Series Rectangular LED

Features

- *Rectangular 2x5mm Lens with 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 $T_A = 25^\circ\text{C}$

Power Dissipation.....	78mW
Reverse Voltage (<100 μ A)	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 $T_A = 25^\circ\text{C}$

Part Number	Emitting Color	Chip Material	Peak Wave Length	Dominant Wave Length	Viewing Angle 2 θ 1/2	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Color Diffused Lens			nm	nm	Deg				
PL44-CDR12	Orange-Red	GaAsP	635	626	65°	2.1	2.6	4.0	8.0

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.

