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PL07 Series 3mm (T1) LED

Features

- *Popular 3mm Lens Style with small Flange
- *1 AlGaAs Super Bright Red Chip used
- *Color Diffused Lens with a Wide Viewing Angle
- *High Intensity
- *Low Current Requirement
- *Reliable and Rugged
- *RoHS Compliant

Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Power Dissipation.....	66mW
Reverse Voltage (<100 μ A).....	4.0V
Max Forward Current.....	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width).....	100mA
Operating Temperature Range.....	-25 $^\circ\text{C}$ to +85 $^\circ\text{C}$
Storage Temperature Range.....	-40 $^\circ\text{C}$ to +100 $^\circ\text{C}$
Soldering Temperature (1.6mm below body).....	260 $^\circ\text{C}$ 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 $2\theta_{1/2}$	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Color Diffused Lens			nm	nm	Deg				
PL07-CDR21	Deep Red	AlGaAs	660	643	55 $^\circ$	1.8	2.2	60.0	100.0

All dimensions are in **Millimeters**. Tolerance is $\pm 0.25\text{mm}$ unless otherwise specified. An epoxy meniscus may extend about 1 mm down the leads.

