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PL011 Series 1.8mm LED

Features

- *1.8mm Round Dome Lens with Flange
- *GaP Red LED Chip used
- *Color Diffused Lens
- *High Intensity
- *Low Current Requirement
- *Reliable and Rugged
- *RoHS Compliant

Absolute Maximum Ratings at T_A = 25°C

Power Dissipation.....	90mW
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				
PL011-CDR24	Red	GaP	700	650	30°	2.1	3.0	4.0	8.0

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

