



### 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 $T_A = 25^\circ\text{C}$

Power Dissipation.....	90mW
Reverse Voltage (<math><100\mu\text{A}</math>).....	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 $2\theta_{1/2}$	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  $\pm 0.25\text{mm}$  unless otherwise specified. An epoxy meniscus may extend about 1 mm down the leads.

