



## PL82 Series 3mm 3 Leaded Bi-Color LED

### Features

- \*Popular 3mm Lens Style with Flange
- \*Super Bright Red & Hi-Eff Green Chips used
- \*Common Cathode
- \*White Diffused Lens for a Wide Viewing Angle
- \*2.0 mm Lead Spacing
- \*Both LED Chips lit will create a 3rd Color
- \*RoHS Compliant

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

Power Dissipation (Red).....	66mW
Power Dissipation (Green).....	78mW
Reverse Voltage (Red).....	4.0V
Reverse Voltage (Green) .....	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 from 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	View Angle $2\theta_{1/2}$	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
White Diffused Lens			nm	nm	Deg.				
PL82-WDRG2115	Dark Red Green	AlGaAs GaP	660 567	643 572	70°	1.8 2.1	2.2 2.6	20.0 16.0	40.0 27.0

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.

