

P-tec Corp. Tel:(866) 695 4162  
 2405 Commerce Circle Tel:(719) 589 3122  
 Alamosa CO 81101 Fax:(719) 589 3592  
 www.p-tec.net



## PL83 Series Bi-Color 3mm (T1) LED

### Features

- \*Flanged
- \*Industry standard size
- \*Multi-Color combinations
- \*RoHS Compliant

### Absolute Maximum Ratings at T<sub>A</sub> = 25°C

Reverse Voltage (<100µA).....	5.0V
Max Forward Current.....	20mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width).....	100mA
Operating Temperature Range.....	-25°C to +85°C
Storage Temperature Range.....	-25°C to +100°C
Soldering Temperature (1.6mm below body).....	260°C for 5 seconds

### Electrical & Optical Characteristics at T<sub>A</sub> = 25°C

Part Number	Emitting Color	Material	Peak Wave Length (nm)	View Angle 2θ ½ Deg	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
					Typ	Max	Min	Typ
White Diffused								
PL83-WDRG2115	Dark Red /High Eff Green	GaAlAs on GaAs /GaP	660/567	118°	1.7/2.1	2.2/3.0	35.0/15.0	59.0/25.0

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

