

P-tec Corp.      Tel:(800)688-0613  
 2405 Commerce Circle    Tel:(719) 589 3122  
 Alamosa Co. 81101      Fax:(719) 589 3592  
 www.p-tec.net          sales@p-tec.net



## PL85 Series 5mm Bi-Color (T1¾) LED

### Features

- \*Popular 5mm Lens Style with Flange
- \*2 Leaded Bi-Color
- \*1 Hi-Eff Red and 1 Green Chip used
- \*Uniform Light Output
- \*Wide Viewing Angle
- \*RoHS Compliant

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

Power Dissipation Green.....	78mW
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<sub>A</sub> = 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
White Diffused Lens			nm	nm	Deg				
PL85-WDRG1213	Orange-Red Green	GaAsP GaP	635 567	626 572	70°	2.1 2.1	2.6 2.6	5.0 5.0	11.0 11.0

Package Dimensions are in **Millimeters**. Tolerance is ± 0.25mm unless otherwise specified. An Epoxy Meniscus may extend about 1 mm. down the leads.

