

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 (T1³/₄) LED

Features

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

Absolute Maximum Ratings at T_A = 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_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
White Diffused Lens			nm	nm	Deg				
PL85-WDGY1301	Green	GaP	567	572	70°	2.1	2.6	5.0	11.0
	Yellow	GaAsP	585	590		2.1	2.6	4.0	10.0

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

