

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



PL84 Series Bi-Color, Bi-Polar 3-Leaded 5mm (T1¾) LED

Features

- *Flange
- *Available with common Anode
- *2.54 mm lead spacing
- *both colors can be controlled separately

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

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

Part Number	Emitting Color	Material	Peak Wave Length	View Angle 2θ ½	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
					Typ	Max	Min	Typ
White Diffused Lens	Pin A/B		(nm)	Deg				
PL84-WDRG2413	Bright Red/Green	GaP/GaP	700/567	70°	2.1/2.1	3.0/3.0	1.2/6.0	2.0/10.1
PL84-WDRG1213	Hi-Eff Red/Green	GaAsP on GaP/GaP	635/567		2.1/2.1	3.0/3.0	7.0/6.0	11.7/10.1
PL84-WDRG2115	Super Red/Hi-Eff Green	GaAlAs on GaAs/GaP	660/567		1.7/2.1	2.2/3.0	42.8/18.2	71.1/30.3
PL84-WDRY2401	Hi-Eff Red/Yellow	GaAsP on GaP/GaAsP on GaP	635/585		2.1/2.1	3.0/3.0	7.0/5.0	11.7/8.3
PL84-WDRY2101	Super Red/Yellow	GaAlAs on GaAs/GaAsP on GaP	660/585		1.7/2.1	2.2/3.0	42.8/5.0	71.1/8.3
PL84-WDGY1301	Green/Yellow	GaP/GaAsP on GaP	567/585		2.1/2.1	3.0/3.0	6.0/5.0	10.1/8.3
PL84-WDGA1302	Green/Amber	GaP/GaAsP on GaP	567/610		2.1/2.1	2.6/3.0	6.0/7.0	10.1/11.7

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.

