



PL03 Series 3mm (T1) LED

Features

- *Bi-Color and Low Current available
- *High Light Output
- *Flanged
- *Available in Color (CD), White Diffused (WD), Color Transparent (CT) and Water Clear (WC)
- *Available w/ Built-in Resistors for 5Volt Operation

Absolute Maximum Ratings at T_A = 25°C

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.....	-25°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	Material	Peak Wave Length	View Angle 2θ ½	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
				(nm)	Deg	Typ	Max	Min	Typ
Color Diffused Lens	White Diffused Lens								
PL03-CDR2412V	PL03-WDR2412V	Bright Red	GaP	700	55°	12.0	15.0	2	4
PL03-CDR1212V	PL03-WDR1212V	Hi-Eff Red	GaAsP on GaP	635		12.0	15.0	25	45
PL03-CDR2012V	PL03-WDR2012V	Dark Red	AlGaAs	660		12.0	15.0	35	52
PL03-CDR2112V	PL03-WDR2112V	Dark Red	AlGaAs	660		12.0	15.0	60	90
PL03-CDG1312V	PL03-WDG1312V	Green	GaP	567		12.0	15.0	13	22
PL03-CDY0112V	PL03-WDY0112V	Yellow	GaAsP on GaP	585		12.0	15.0	15	30
PL03-CDO1212V		Orange	GaAsP on GaP	635		12.0	15.0	25	45
Water Clear Lens	Color Transparent Lens								
				(nm)	Deg	Typ	Max	Min	Typ
PL03-WCR2412V	PL03-CTR2412V	Bright Red	GaP	700	35°	12.0	15.0	4	7
PL03-WCR1212V	PL03-CTR1212V	Hi-Eff Red	GaAsP on GaP	635		12.0	15.0	40	70
PL03-WCR2012V	PL03-CTR2012V	Dark Red	AlGaAs	660		12.0	15.0	50	90
PL03-WCR2112V	PL03-CTR2112V	Dark Red	AlGaAs	660		12.0	15.0	100	180
PL03-WCG1312V	PL03-CTG1312V	Green	GaP	567		12.0	15.0	50	90
PL03-WCY0112V	PL03-CTY0112V	Yellow	GaAsP on GaP	585		12.0	15.0	30	55
	PL03-CTO1212V	Orange	GaAsP on GaP	635		12.0	15.0	40	70

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

