

## PL002 Series LED Axial Ledged

### Features

- \*Flat Package Rectangular Type  
3.0 x 2.2 x 1.5 mm
- \*Low Current available
- \*High Light Output
- \*IC Compatible
- \*Super & Ultra Bright available
- \*Plastic Holder with axial Leads

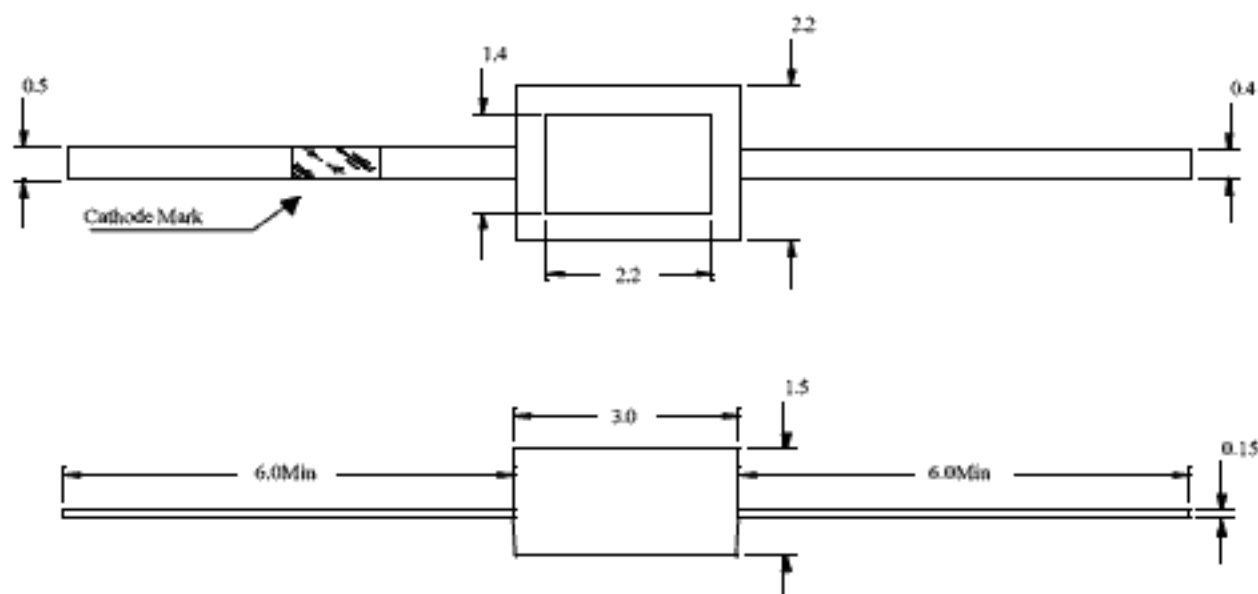
### Absolute Maximum Ratings at T<sub>A</sub> = 25 °C

Reverse Voltage (<100 mA).....	(R19 3.0V) for all others 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).....	240° for 10 seconds

### Electrical & Optical Characteristics at T<sub>A</sub> = 25 °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
Color Transparent	Water Clear			(nm)	Deg				
PL002-CT-R24	PL002-WC-R24	Bright Red	GaP	700	83°	2.1	3.0	2.2	3.6
PL002-CT-R12	PL002-WC-R12	High Eff Red	GaAsP on GaP	635		2.1	3.0	6.6	11.0
PL002-CT-G13	PL002-WC-G13	High Eff Green	GaP	567		2.1	2.6	5.7	9.5
PL002-CT-Y01	PL002-WC-Y01	Yellow	GaAsP on GaP	585		2.1	3.0	4.7	7.9
PL002-CT-O12	PL002-WC-O12	Orange	GaAsP on GaP	635		2.1	3.0	6.6	11.0
PL002-CT-A02	PL002-WC-A02	Amber	GaAsP on GaP	610		2.1	3.0	6.6	11.0

Package Dimensions are in **Millimeters**. Tolerance is ± 0.25mm unless otherwise specified.



## PL002 Series Low Current LED Axial Leaded

### Features

- \*Flat Package Rectangular Type  
3.0 x 2.2 x 1.5 mm
- \*Standard Colors available
- \*High Light Output
- \*IC Compatible
- \*Super & Ultra Bright available

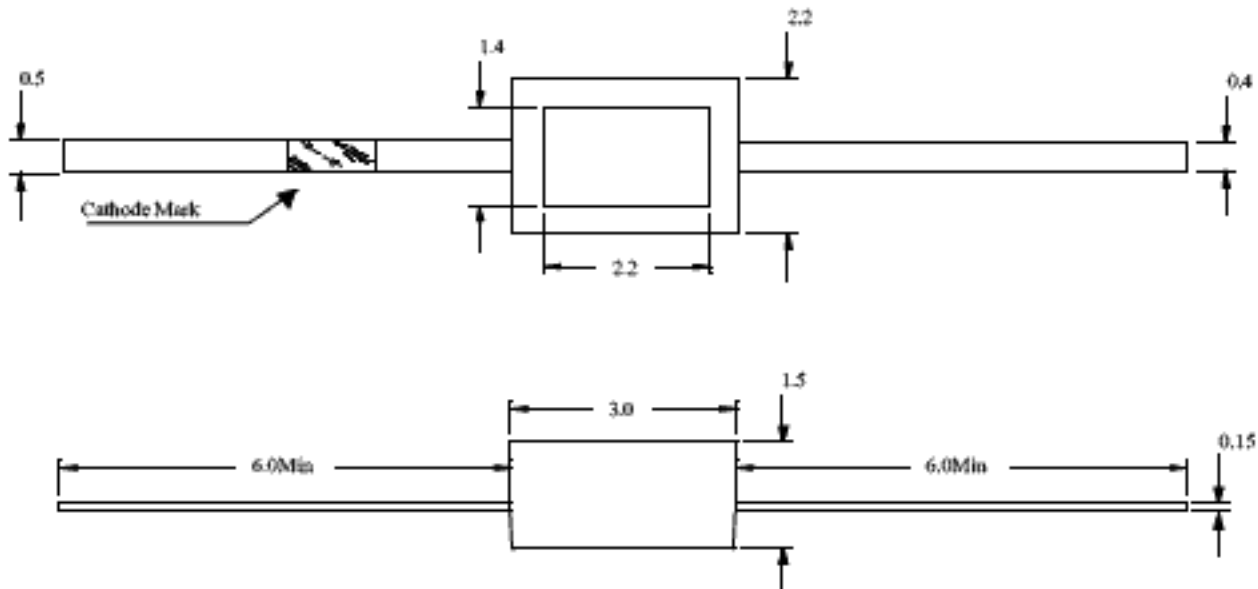
### Absolute Maximum Ratings at T<sub>A</sub> = 25 °C

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 Temp .....	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 2θ1/2 Deg	Forward Voltage @2mA (V)		Luminous Intensity @2mA (mcd)	
Color Transparent	Water Clear					Typ	Max	Min	Typ
PL002-CT-R12-LC	PL002-WC-R12-LC	High Eff Red	GaAsP on GaP	635	83°	1.8	2.2	0.7	1.2
PL002-CT-G13-LC	PL002-WC-G13-LC	High Eff Green	GaP	567		1.8	2.2	0.6	1.0
PL002-CT-Y01-LC	PL002-WC-Y01-LC	Yellow	GaAsP on GaP	585		1.8	2.2	0.5	0.9
PL002-CT-O12-LC	PL002-WC-O12-LC	Orange	GaAsP on GaP	635		1.8	2.2	0.7	1.2

Package Dimension are in Millimeters . Tolerance is ± 0.25mm unless otherwise specified.



## PL002 Series Super & Ultra Bright LED Axial Ledged

### Features

- \*Flat Package Rectangular Type  
3.0 x 2.2 x 1.5 mm
- \*Low Current available
- \*High Light Output
- \*IC Compatible
- \*Standard Colors available
- \*Plastic Holder with axial Leads

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

Reverse Voltage ( $<100\mu\text{A}$ ).....(Ultra Bright 4.0V) for others 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 Temp .....260°C for 5 seconds

### Electrical & Optical Characteristics at $T_A = 25^\circ\text{C}$

Part Number		Emitting Color	Material	Peak Wave Length (nm)	View Angle 2 $\theta$ 1/2 Deg	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
Color Transparent	Water Clear					Typ	Max	Min	Typ
PL002-CT-R22	PL002-WC-R22	Super Dark Red	GaAlAs on GaAlAs	660	83°	1.9	2.5	37.6	62.6
PL002-CT-R03	PL002-WC-R03	Ultra Reddish Orange	InGaAlP on GaAs	621		2.1	2.4	52.6	87.6
PL002-CT-Y08	PL002-WC-Y08	Ultra Yellow	InGaAlP on GaAs	593		2.1	2.4	50.0	83.2

Package Dimension are in Millimeters .Tolerance is  $\pm 0.25\text{mm}$  unless otherwise specified.

