

# LED LAMP


## AXIAL LED LAMPS

### FEATURES

- Low Package Profile
- Axial Leads
- Wide Viewing Angle
- Long Life Solid State Reliability

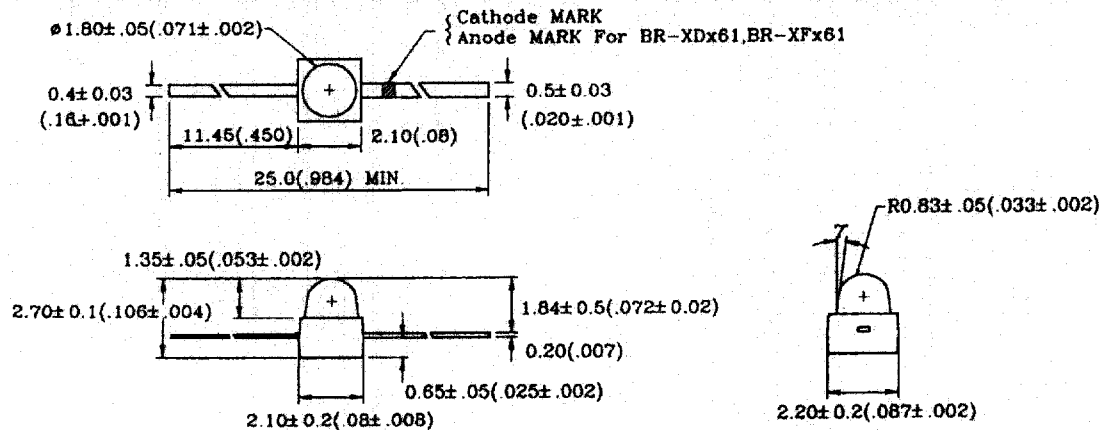
### ABSOLUTE MAXIMUM RATINGS

- Operating Temperature Range----- $-55^{\circ}\text{C} \sim 100^{\circ}\text{C}$
- Storage Temperature Range----- $-55^{\circ}\text{C} \sim 100^{\circ}\text{C}$
- Lead Soldering Temperature (1.6mm(1/16)) From Body ----- $260^{\circ}\text{C}$  For 5 Seconds

Package	Part No.	Chip		Lens Appearance	Absolute maximum Ratings				Electro-optical Data(At 10mA)			Viewing Angle 2 $\theta$ 1/2 (deg)	Drawing No
		Emitted Color	Peak Wave Length $\lambda_p$ (nm)		$\Delta\lambda$ (nm)	Pd (mW)	I <sub>f</sub> (mA)	Peak I <sub>f</sub> (mA)	V <sub>f</sub> (V)		I <sub>v</sub> Typ. (mcd)		
									Typ.	Max.			
	BL-X5361	Bright Red	700	Water Clear	90	50	15	50	2.1	2.6	4.0	30 $\pm$ 3	L-77
	BL-X2361	Green	568	Water Clear	30	100	30	150	2.1	2.6	15.0	30 $\pm$ 3	
	BL-X3361	Yellow	585	Water Clear	35	100	30	150	2.0	2.6	6.0	30 $\pm$ 3	
	BL-X4361	Hi-Eff Red	635	Water Clear	45	100	30	150	1.9	2.6	8.0	30 $\pm$ 3	
	BL-XD361	Super Red	660	Water Clear	20	60	30	150	1.7	2.6	50.0	30 $\pm$ 3	
	BL-XF361	Ultra Red	660	Water Clear	20	80	20	150	1.9	2.6	80.0	30 $\pm$ 3	
	BL-X8361	Amber	610	Water Clear	35	100	30	150	1.9	2.6	8.0	30 $\pm$ 3	
	BL-X9361	Pure Green	555	Water Clear	25	100	30	150	2.1	2.6	5.0	30 $\pm$ 3	
	BL-XJ361	Super Orange	620	Water Clear	17	100	30	150	1.9	2.6	150.0	30 $\pm$ 3	
	BL-XK361	Super Yellow	595	Water Clear	15	100	30	150	2.0	2.6	150.0	30 $\pm$ 3	
	BL-X5161	Bright Red	700	Red Diffused	90	50	15	150	2.1	2.6	1.5	90 $\pm$ 3	
	BL-X2161	Green	568	Green Diffused	30	100	30	50	2.1	2.6	5.0	90 $\pm$ 3	
	BL-X3161	Yellow	585	Yellow Diffused	35	100	30	150	2.0	2.6	2.0	90 $\pm$ 3	
	BL-X4561	Hi-Eff Red	635	Red Diffused	45	100	30	150	1.9	2.6	3.0	90 $\pm$ 3	
	BL-XD161	Super Red	660	Red Diffused	20	60	30	150	1.7	2.6	20.0	90 $\pm$ 3	
	BL-XF161	Ultra Red	660	Red Diffused	20	80	20	150	1.9	2.6	30.0	90 $\pm$ 3	
	BL-X8161	Amber	610	Orange Diffused	35	100	30	150	1.9	2.6	3.0	90 $\pm$ 3	
	BL-X9161	Pure Green	555	Green Diffused	25	100	30	150	2.1	2.6	1.0	90 $\pm$ 3	
	BL-XJ161	Super Orange	620	Orange Diffused	17	100	30	150	1.9	2.6	50.0	90 $\pm$ 3	
	BL-XK161	Super Yellow	595	Yellow Diffused	15	100	30	150	2.0	2.6	50.0	90 $\pm$ 3	

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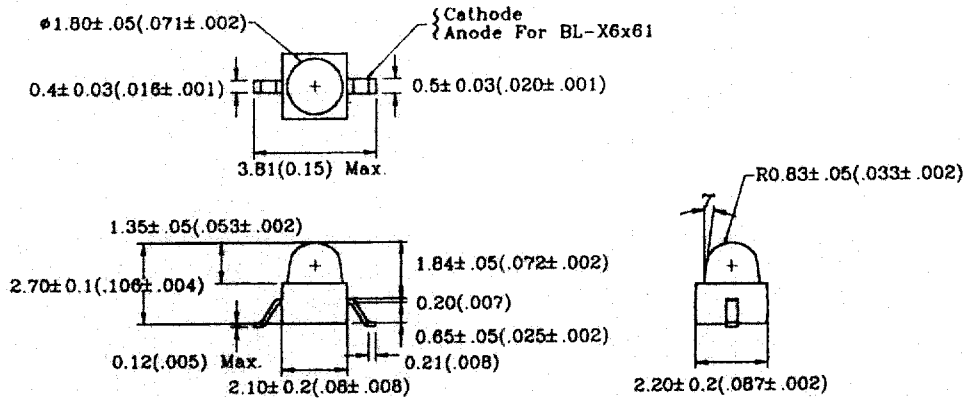
BL-Xxx61 Series



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Formed Lead Options:

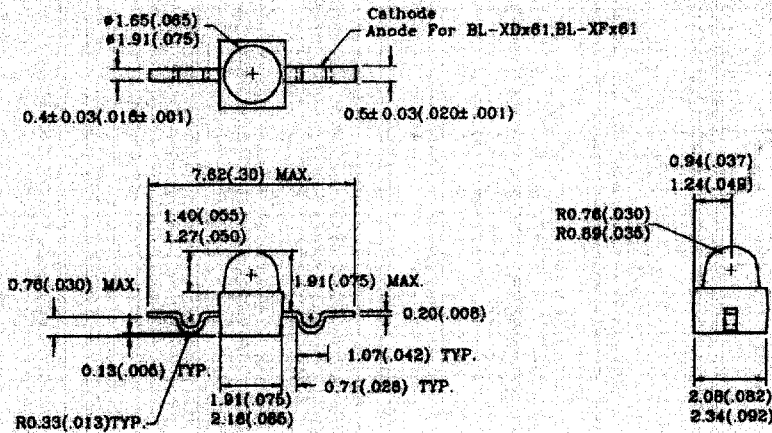
## BL-Xxx61-F7 Gull Wing Series



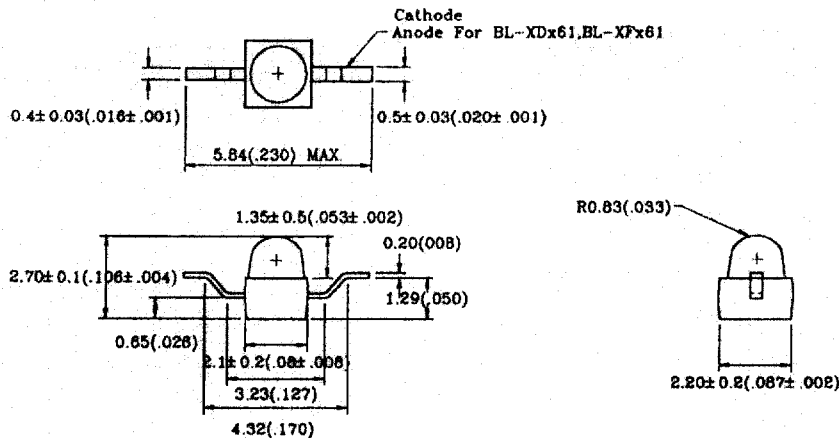
## PACKAGE DIMENSION

- NOTE:
1. All Dimensions are in millimeters (inches)
  2. Tolerance is  $\pm 0.25\text{mm}$  ( $0.010''$ ) unless otherwise specified.
  3. Protruded resin under flange is  $1.5\text{mm}$  ( $0.059''$ )
  4. Lead spacing is measured where the leads emerge from the package.
  5. Specifications are subject to change without notice.

## BL-Xxx61-F8 York Lead Series



## BL-Xxx61-F9 Z-Bend Series



Tape & Reel Package: BL-Xxx61+TR7 Gull Wing Series  
 BL-Xxx61+TR8 York Lead Series  
 BL-Xxx61+TR9 Z-Bend Series