



# BLINKING LED LAMPS(ROUND TYPES)

## FEATURES

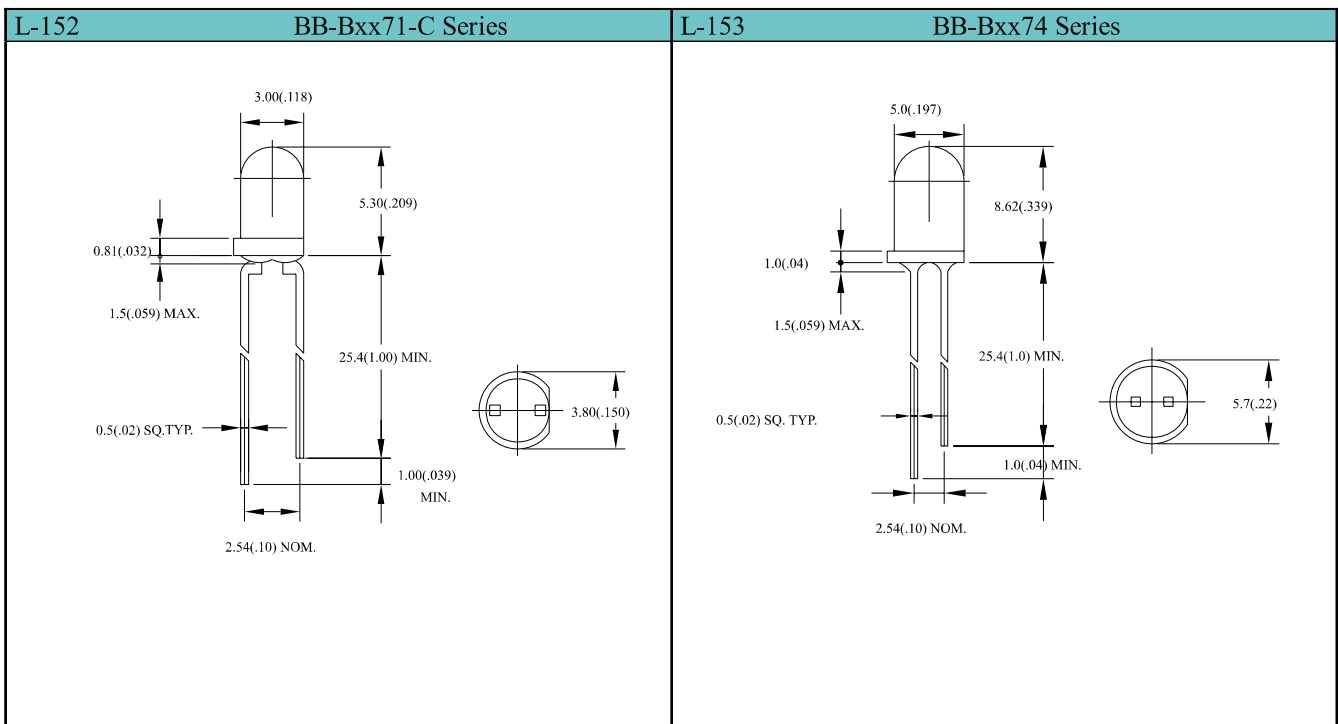
- Standard T1 3  $\phi$
- 1/4 Duty Cycle
- Pulse Rate : 2.4Hz (VDD=5V)
- Operating Voltage : 3V~10V (DC)
- Easily be driven by TTL & C-MOS circuit no external circuit needed

## ABSOLUTE MAXIMUM RATINGS

- Operating Temperature Range .....-20°C~80°C
- Storage Temperature Range.....-20°C~85°C
- Operating Voltage(Max)..... 10 Volt
- Reverse Voltage(Max).....-5 Volt

Package	Part No.	Chip			Lens Appearance	Pulse Rate(Hz) VDD=5V (Hz)			Luminous Intensity IF=25mA (mcd)		Viewing Angle 2 $\theta$ 1/2 (deg)	Drawing No.
		Material	Emitted Color	Peak Wave Length $\lambda_p$ (nm)		Min.	Typ.	Max.	Min.	Typ.		
T-1 Standard 1.0" Lead 3 $\phi$	BB-B5171-C	GaP/GaP	Bright Red	700	Red Diffused	2.0	2.4	2.8	2.0	6.0	45	L-152
	BB-B4571-C	GaAsP/GaP	Hi-Eff Red	635					8.0	25.0		
	BB-B6171-C	GaAlAs	Super Red	660					15.0	40.0		
	BB-B2171-C	GaP/GaP	Green	568	Green Diffused				8.0	25.0		
	BB-BX1171-C	GaP/GaP	Hi-Eff Y.G	568	10.0				30.0			
	BB-B3171-C	GaAsP/GaP	Yellow	585	Yellow Diffused				6.0	20.0		
	BB-B4171-C	GaAsP/GaP	Orange	635	Orange Diffused				8.0	25.0		
T-13/4 Standard 1.0" Lead 5 $\phi$	BB-B5174	GaP/GaP	Bright Red	700	Red Diffused	2.0	2.4	2.8	4.0	12.0	45	L-153
	BB-B4574	GaAsP/GaP	Hi-Eff Red	635					12.0	40.0		
	BB-B6174	GaAlAs	Super Red	660					20.0	60.0		
	BB-B2174	GaP/GaP	Green	568	Green Diffused				12.0	40.0		
	BB-BX1174	GaP/GaP	Hi-Eff Y.G	568	5.0				50.0			
	BB-B3174	GaAsP/GaP	Yellow	585	Yellow Diffused				10.0	35.0		
	BB-B4174	GaAsP/GaP	Orange	635	Orange Diffused				12.0	40.0		

Remark : 1.Hi-Eff Red / High-Efficiency Red ◦  
 2.Trans / Transparent ◦  
 3.2  $\theta$  1/2 The off-axis angle at which the luminous intensity is half the axial luminous intensity ◦



Notes : 1.All Dimensions are millimeters (inches).  
 2.Tolerance is  $\pm 0.25\text{mm}$  (.010").