



DATA SHEET

Model No. : HH-LB054802

Description:

- 5.2*3.8*7.0mm Oval Lamp
- Lens Color: Blue Diffused
- Emission Color: Blue
- Viewing Angle: 80°
- Stopper



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Part No: HH-LBO54802

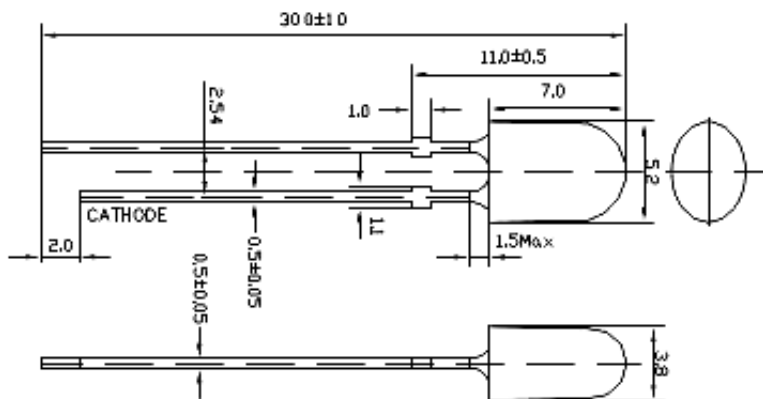
Features:

- ※Super High Brightness
- ※High Reliability
- ※Fade Resistant

Applications

1	Full Color Display
2	Moving Message Board
3	Screen Wall

Package Dimensions



Unit: mm
Tolerance are ± 0.25 ,
unless note otherwise

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Max	Unit
Power Dissipation	P _O	100	mW
Peek Forward Current ※1	I _{FP}	100	mA
Continuous Forward Current	I _F	20	mA
Reverse Voltage	V _R	5	V
Operating Temperature Rang	Topr	-25°C to +80°C	
Storage Temperature Rang	Tstg	-40°C to +100°C	
Lead Soldering Temperature ※2	Tsol	260	°C

Notes:

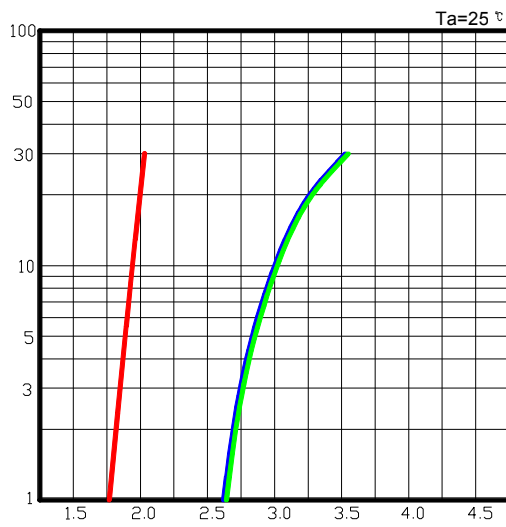
- ※ 1 Duty Ratio max 1/10 Pulse Width max. 0.1ms;
 - ※ 2 At the position of 4mm from the bottom of the package within 5 seconds
- Recommend drive current as bellow to ensure its life time
 Red Yellow: 15-16 mA
 Green: 15-16mA
 Blue: 12-13mA



Electrical Optical Characteristics (Ta=25°C, IF=20mA)

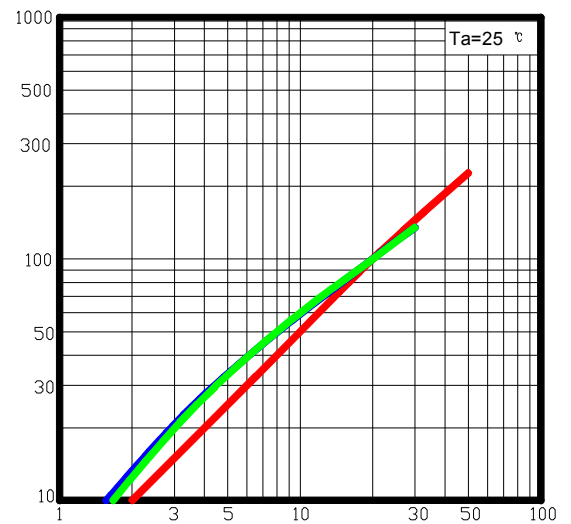
Part No.	Material	Lens	Emitting Color	Forward Voltage (V)		Luminous Intensity (mcd)		Dominant Wavelength (nm)		Viewing Angle (2θ1/2)
				min	max	min	max	min	Max	
HH-LBO54802	InGaN	Colored Diffused	Blue	3.0	3.5	500	-	465	475	80° /40°

VF-IF



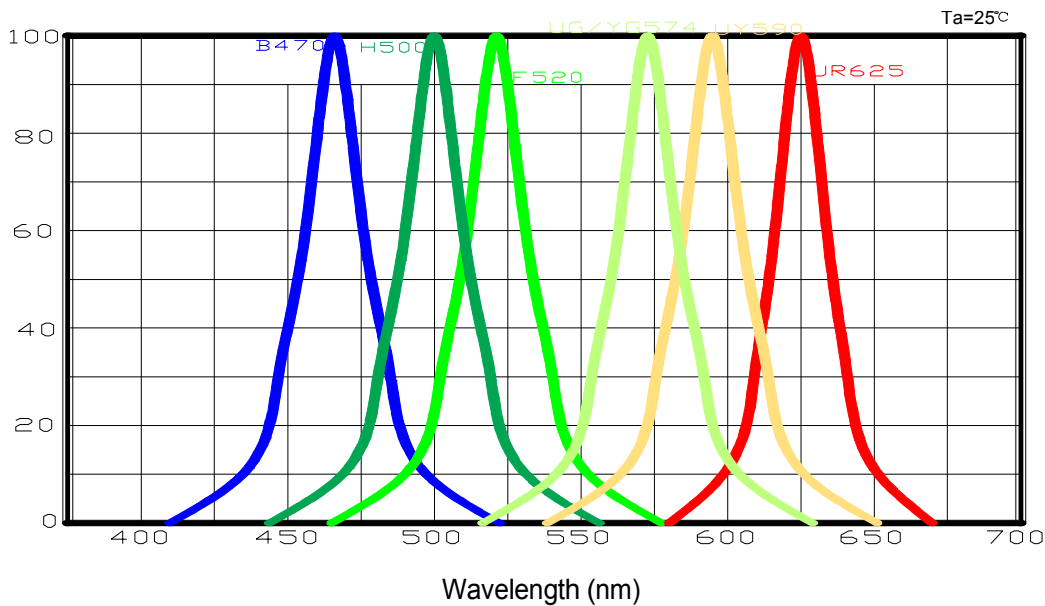
Forward Voltage VF (v)

Relative Luminous Intensity-Ta



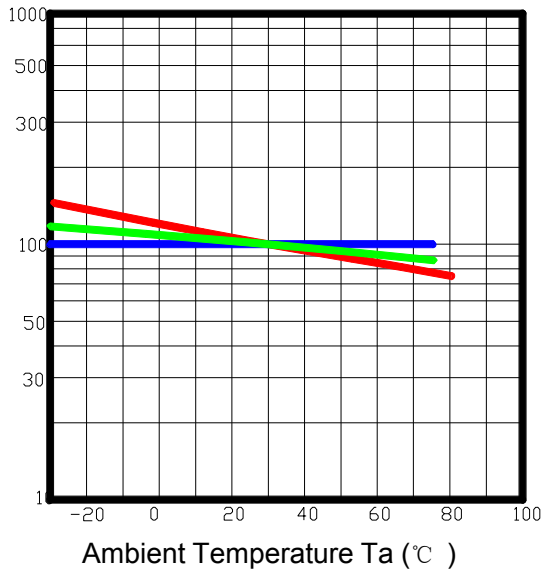
Forward Current IF (mA)

Wavelength Characteristics





Relative Luminous Intensity-Ta



IF-Ta

