

## **BF-LBG21-513**

**Color: Green**

Lens: Green Diffused

Description: 5mm green, green diffused

### I Features:

1. High intensity
2. General purpose leads
3. Reliable and rugged



### I Absolute Maximum Ratings @ $T_A=25^{\circ}\text{C}$ unless otherwise specified

Item	Symbol	BF-LBG21-513	Unit
Power Dissipation	$P_d$	100	mW
Forward Current	$I_f$	20	mA
Peak Forward Current (*1)	$I_{f_p}$	100	mA
Operating Temperature	$T_{opr}$	-40 ~ +80	$^{\circ}\text{C}$
Storage Temperature	$T_{stg}$	-40 ~ +80	$^{\circ}\text{C}$
Soldering Temperature (*2)	$T_{sol}$	260	$^{\circ}\text{C}$

(\*1) Pulse width = 10 $\mu\text{s}$ , 10% Duty Cycle.

(\*2) For 5 sec.

### I Electrical and Optical Characteristics @ $T_A=25^{\circ}\text{C}$ unless otherwise specified

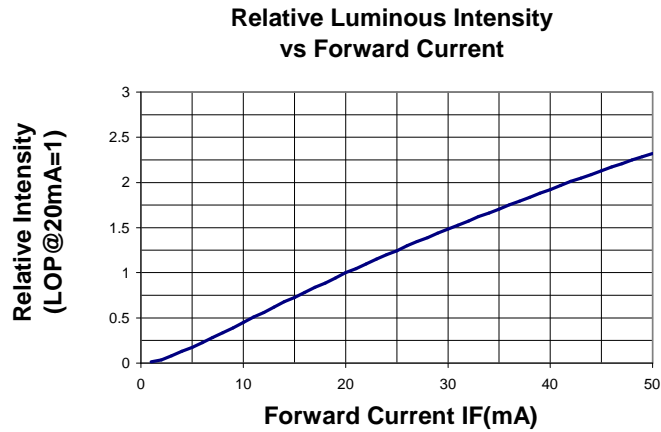
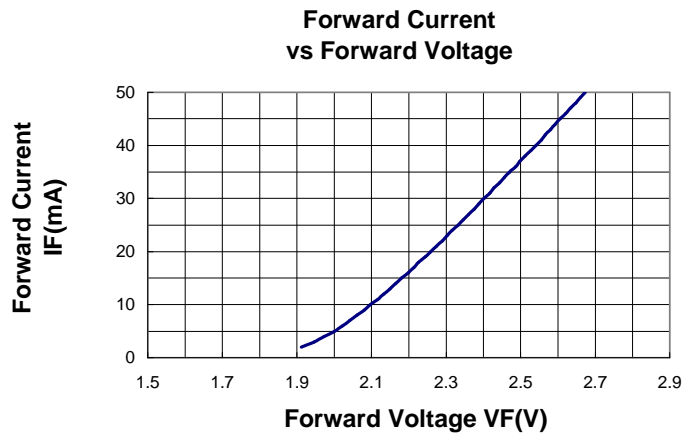
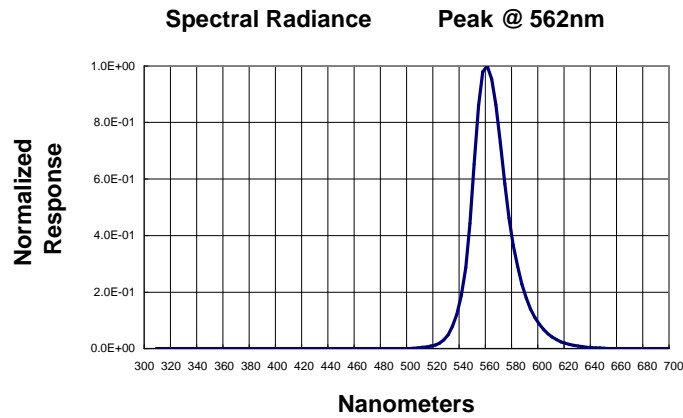
Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Peak Wavelength	$\lambda_p$	-	562	-	nm	@20mA
Spectral Line Half-Width	$\Delta\lambda$	-	28	-	nm	@20mA
Luminous Intensity	$I_v$	20	30	-	mcd	@20mA
Viewing Angle	$2\theta_{1/2}$	-	33	-	deg	(*)
Forward Voltage	$V_f$	-	2.25	2.8	V	@20mA
Reverse Current	$I_r$	-	-	100	$\mu\text{A}$	$V = 5\text{V}$

(\*) Viewing angle is the off-axis angle at which the luminous intensity is half the axial luminous intensity.

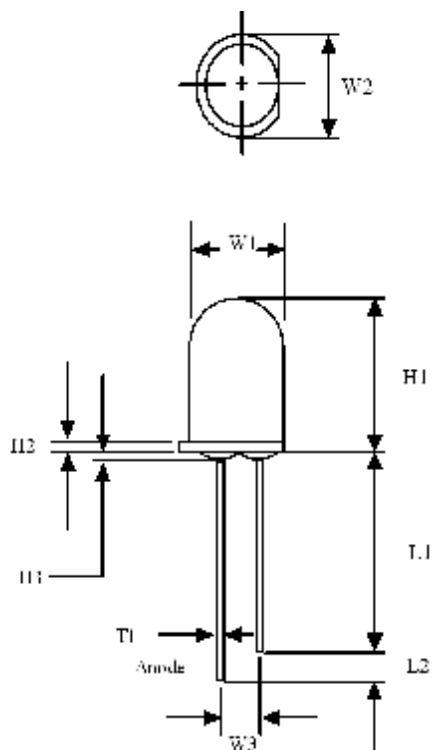


**Electrical and Optical Curves**

(25°C Ambient Temperature unless Otherwise Noted)



**Package Dimensions**



Symbol	mm	inch
W1	5.0	0.197
W2	5.9	0.232
W3	2.54	0.10
H1	8.6	0.339
H2	1.0	0.039
H3 (Max.)	1.0	0.039
L1 (Min.)	25.4	1.00
L2 (Min.)	1.0	0.039
T1	0.5	0.02

Tolerance:  $\pm 0.25\text{mm}(0.010\text{'})$

**Notes:**

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25\text{mm}$  (0.10") unless otherwise specified.
3. Lead spacing is measured where the lead emerge from the package.
4. Specifications are subject to changes without prior notice.

Bright Forever Electronics Co., Ltd (BFE) has checked all information carefully and believes it to be correct and accurate. However, BFE cannot assume any responsibility for inaccuracies. Furthermore, this information does not give the purchaser any license under patent rights to manufacturer. BFE reserves the right to change any or all information herein without prior notice.

**Bright Forever Electronics Co., Ltd.**  
 No. 44 Yu Kang North 3rd Road, Chine Chen Dist., Kaohsiung, Taiwan  
**Tel :** 886-7-812-7688  
**Fax:** 886-7-812-7768  
**Email:** [sales@brightforever.com](mailto:sales@brightforever.com)  
**Internet:** <http://www.brightforever.com>