


Drawing No.	*Rev.	Date	Page
BF3H60G-2BH-020mA	B	2015/05/29	1/4

# APPROVAL SHEET

Part No: **BF3H60G-2BH-020mA**

NOTE : Green Part

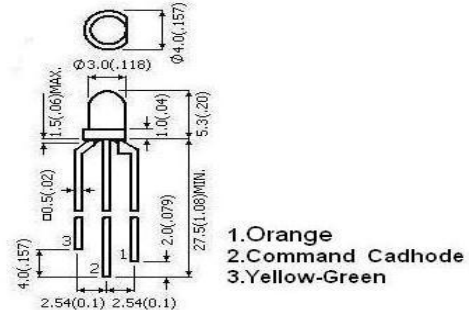
MAKER			CUSTOMER	
				
R&D	QA	Sales	Checked	Approved
<i>Stey</i>	<i>Paulo</i>	<i>31</i>		

Prepared	Checked	Approved
Rachel Lee	Hann Chiu	Kenneth Wu

## LED LAMP Technical Data

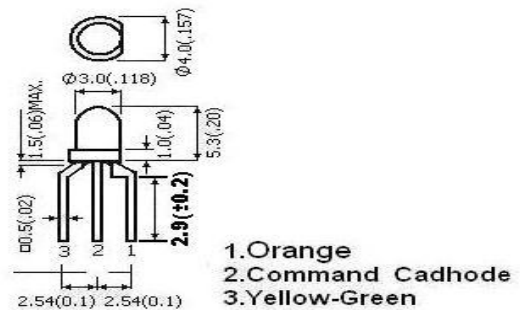
### DESCRIPTION:

Device Type : BF3H60G-2BH-020mA  
 Dice Material : AlGaInP/GaAs  
 Light Color : Orange /Yellow-Green  
 Lens Color : White diffused  
 Lens Dimension : 3mm



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### Absolute Maximum Ratings at Ta=25°C

Parameter	Max.	Unit
DC Forward Current	20	mA
Reverse Voltage	5	V
Power Dissipation	45	mW
Operating Temperature	Topr : -30 ~ +80	°C
Storage Temperature	Tstr : -30 ~ +100	°C
Solder DIP (MAX. 5 seconds, 1.6mm from body) Temperature 260°C		

### Electrical and Optical Characteristics at Ta=25°C (Orange)

Symbol	Description	Test Condition	Min.	Typ.	Max.	Unit
V <sub>F</sub>	Forward Voltage	I <sub>F</sub> = 20mA		2.3	2.6	V
I <sub>R</sub>	Reverse Current	V <sub>R</sub> = 5V	-	-	10	μA
λ <sub>D</sub>	Dom. Emission Wavelength	I <sub>F</sub> = 20mA		605		nm
Δλ	Spectral Line Halfwidth	I <sub>F</sub> = 20mA	-	20		nm
2θ 1/2	Viewing Angle	I <sub>F</sub> = 20mA	-	60	-	Deg.
I <sub>v</sub>	Luminous Intensity	I <sub>F</sub> = 20mA	160		270	mcd

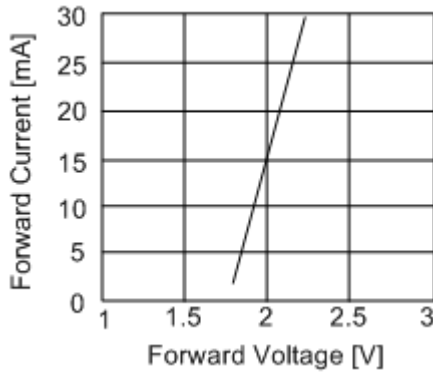
**Electrical and Optical Characteristics at Ta=25°C (Yellow green)**

Symbol	Description	Test Condition	Min.	Typ.	Max.	Unit
V <sub>F</sub>	Forward Voltage	I <sub>F</sub> = 20mA		2.3	2.6	V
I <sub>R</sub>	Reverse Current	V <sub>R</sub> = 5V	-	-	10	μA
λ <sub>D</sub>	Dom. Emission Wavelength	I <sub>F</sub> = 20mA	-	570	-	nm
Δλ	Spectral Line Halfwidth	I <sub>F</sub> = 20mA	-	20		nm
2θ 1/2	Viewing Angle	I <sub>F</sub> = 20mA	-	60	-	Deg.
I <sub>v</sub>	Luminous Intensity	I <sub>F</sub> = 20mA	110		230	mcd

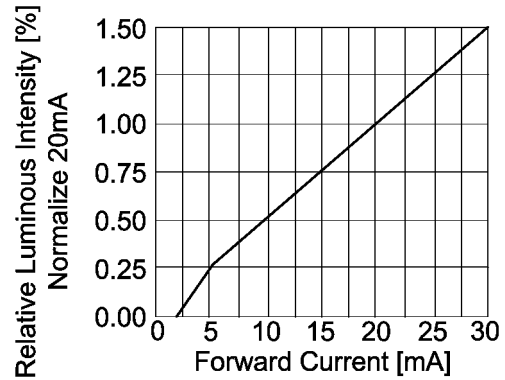
- Note:
1. The lead should be formed up to 5mm from the body of device without forming stress.
  2. Soldering shall be performed after lead forming.
  3. All dimensions are in millimeters

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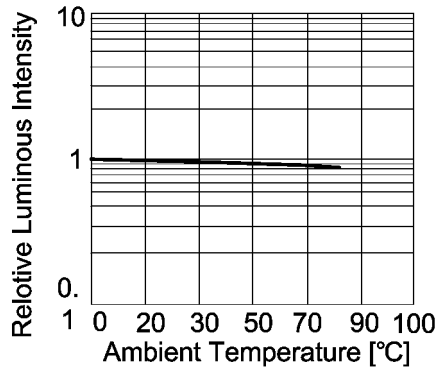
### Typical Optical-Electrical Characteristic Curves



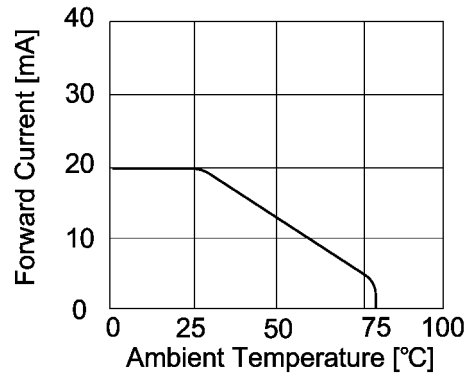
**Forward Current  
Vs. Forward Voltage**



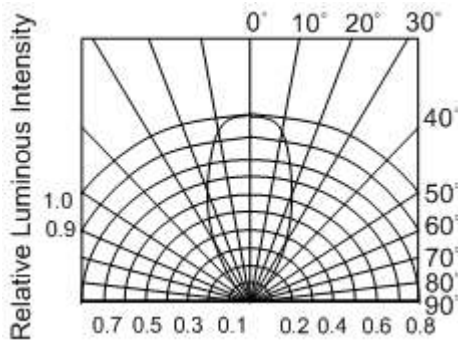
**Luminous Intensity  
Vs. Forward Current**



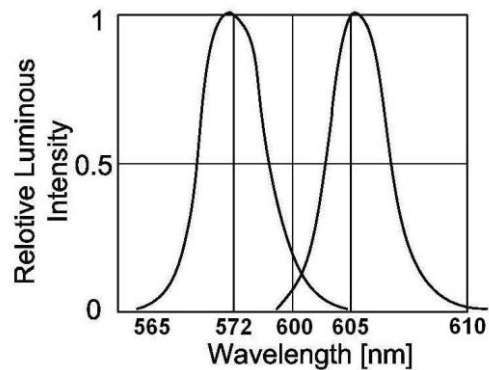
**Luminous Intensity  
Vs. Ambient Temperature**



**Forward Current  
Vs. Ambient Temperature**



**Radiation Pattern**



**Relative Luminous Intensity  
Vs. Wavelength**