APPROVAL SHEET

Part No: BF3H50GA-YGH-020mA

NOTE :

Green Part

MAKER			CUSTOMER	
SOLIDLITE				
R&D	QA	Sales	Checked	Approved

Prepared	Checked	Approved
Rachel Lee	Sky Lin	Kenneth Wu

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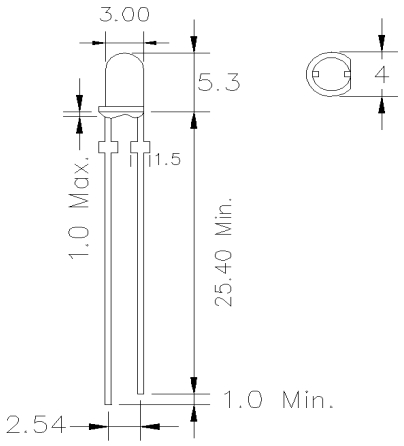
LED LAMP Technical Data

DESCRIPTION:

Device Type ：BF3H50GA-YGH-020mA
Dice Material ：AlGaInP/GaAs
Light Color ：Yellow-Green
Lens Color ：Green diffused
Lens Dimension ：3mm



Absolute Maximum Ratings at Ta=25℃

Parameter	Max.	Unit
DC Forward Current	20	mA
Continuous Forward Current	25	mA
Peak Forward Current (Duty 1/10 @ 1KHZ)	60	mA
Reverse Voltage	5	V
Power Dissipation	50	mW
Operating Temperature	Topr：-40 ~ +80	℃
Storage Temperature	Tstr：-40 ~ +100	℃
Solder DIP (MAX. 5 seconds, 1.6mm from body) Temperature 260℃ Suggest: the better current for this device is less than 20mA.		

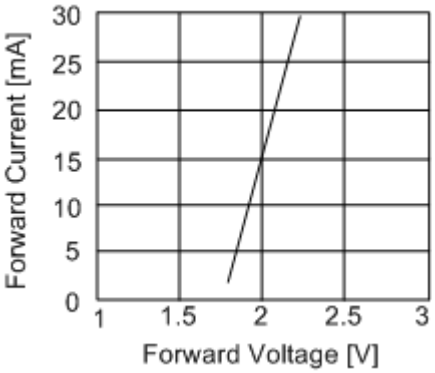
Electrical and Optical Characteristics at Ta=25℃

Symbol	Description	Test Condition	Min.	Typ.	Max.	Unit
V_F	Forward Voltage	I_F = 20mA	1.7	2.1	2.5	V
I_R	Reverse Current	V_R = 5V	-	-	10	μA
λp	Peak Wavelength	I_F = 20mA	-	575	-	nm
λ_D	Dom. Emission Wavelength	I_F = 20mA	-	572	-	nm
Δλ	Spectral Line Halfwidth	I_F = 20mA	-	20	-	nm
2θ□ 1/2	Viewing Angle	I_F = 20mA	-	50	-	Deg.
I_V	Luminous Intensity	I_F = 20mA	100	250	-	mcd

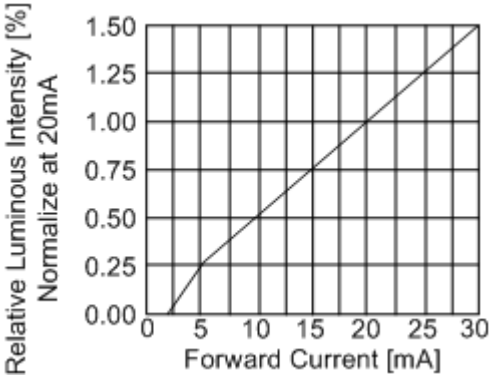
Note: 1.The lead should be formed up to 5mm from the body of device without forming stress.
2. Soldering shall be performed after lead forming.
3. All dimensions are in millimeters

LED LAMP Technical Data

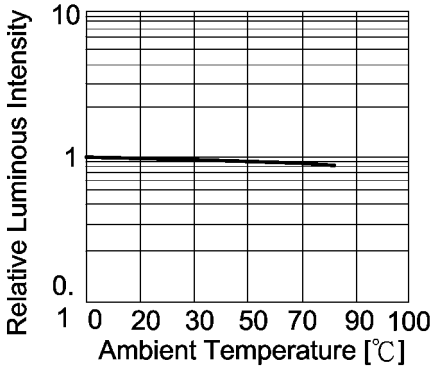
Typical Optical-Electrical Characteristic Curves



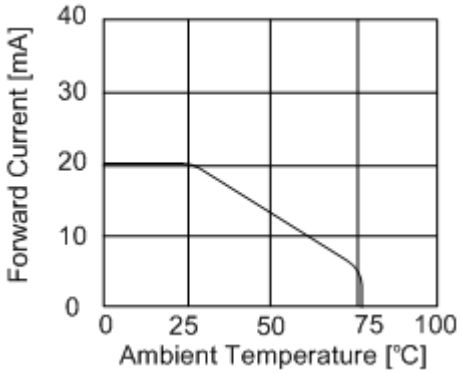
Forward Current
Vs. Forward Voltage



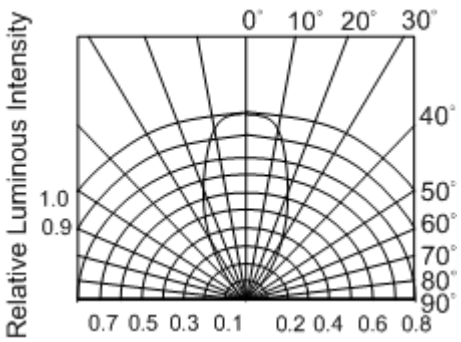
Forward Current
Vs. Forward Current



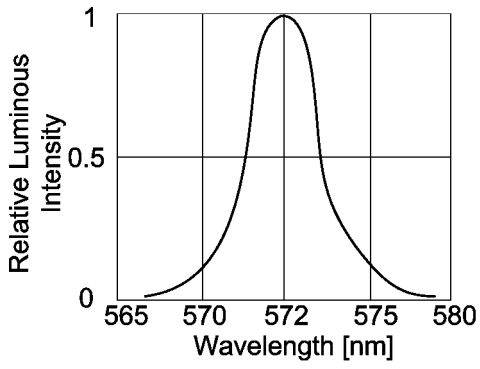
Luminous Intensity
Vs. Ambient Temperature



Forward Current
Vs. Ambient Temperature



Radiation Pattern



Relative Luminous Intensity
Vs. Wavelength

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