APPROVAL SHEET

Part No: BF5H02G-NPT

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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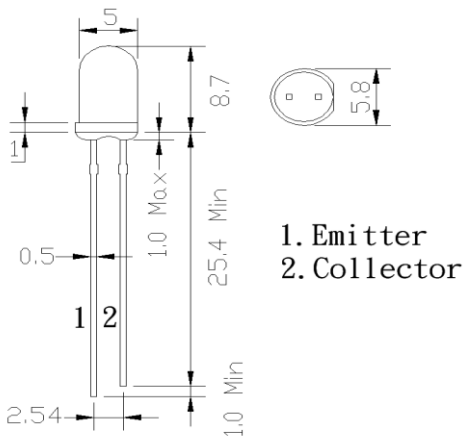
DESCRIPTION:

Device Type : BF5H02G-NPT
Dice Material : Silicon
Lens Color : Black
Lens Dimension : 5 mm



All epoxy resin dimension are in millimeter
tolerance is ±0.2mm

Absolute Maximum Ratings at Ta=25℃

Parameter	Symbol	Rating.	Unit
Power dissipation	Pd	75	mW
Operating Temperature	Topr	-40 ~ +80	℃
Storage Temperature	Tstr	-40 ~ +100	℃
Solder DIP (MAX. 5 seconds, 1.6mm from body) Temperature 260℃			

Electrical and Optical Characteristics at Ta=25℃

Description	Symbol	Condition	Min.	Typ.	Max.	Unit
Range of Spectral Bandwid	Wp		750	-	1100	nm
Peak sensitive wavelength	Wp		-	940	-	nm
C-E breakdown voltage	BV_{CEO}	I_C=100uA	30	-	-	V
E-C breakdown voltage	BV_{ECO}	I_E=100uA	5	-	-	V
Collector dark current	I_{CEO}	V_{CE}=20V	-	-	100	nA
Light Current	I_L	Ee=1mW/c㎡ V_{CE}=5V	0.7	-	-	mA
C-E saturation voltage	V_{CE}(sat)	I_C = 2mA / I_B=100uA	-	-	0.2	V
Rise Time	t_r	V_{CE}=5V I_C=1mA R_L=1000Ω	-	15	-	μS
Fall Time	t_f		-	15	-	

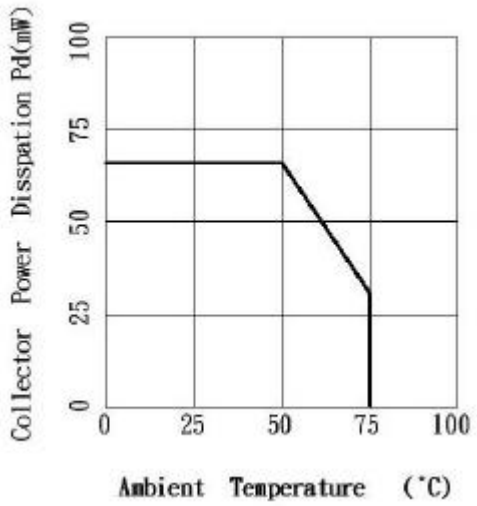
Note: 1.The lead should be formed up to 5mm from the body of device without forming stress.

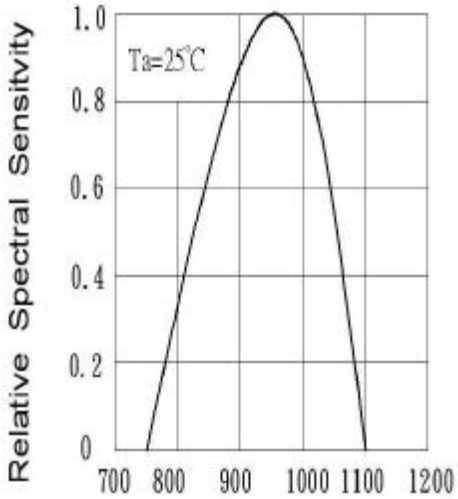
2. Soldering shall be performed after lead forming.

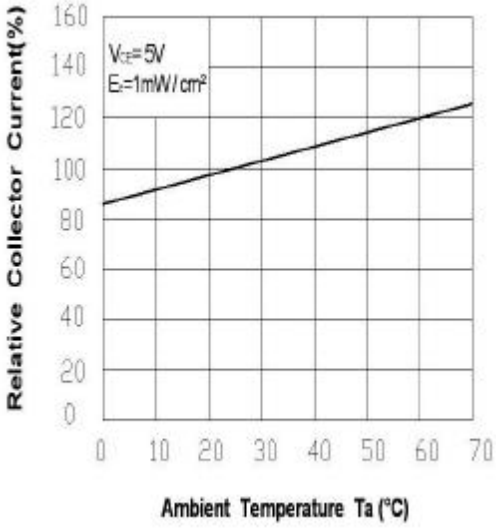
3. All dimensions are in millimeters

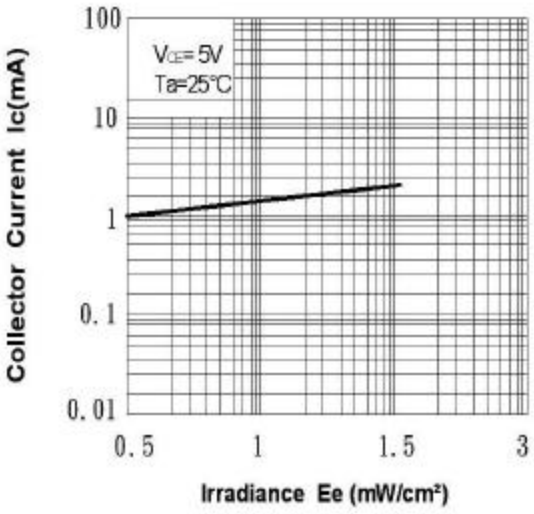
LED LAMP Technical Data

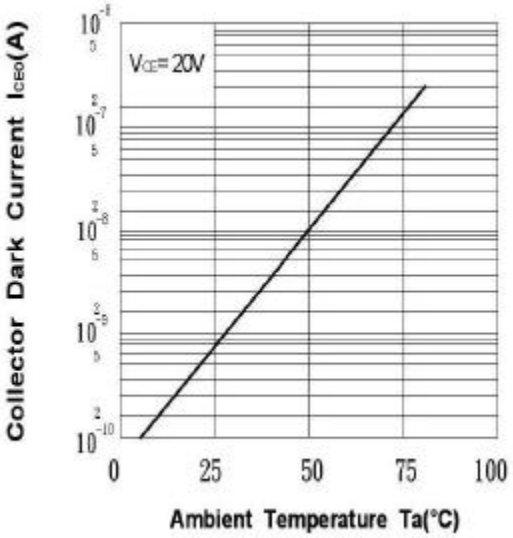
Typical Optical-Electrical Characteristic Curves











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