



健隆投資有限公司
STRONG BASE INVESTMENT LTD.

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Approval Sheet
(確認書)

編號 Ref. No.	
日期 Issued Date	2015-10-28

公司名稱 : _____
Company Name

產品編號 : SB-3010IRB
Part No.

產品種類 : INFRARED EMITTING DIODE
Category

產品描述 : 3MM/ BLUE CLEAR LENS LED
Description

客戶產品編號 : _____
Customer No.

備注 : _____
Remarks

STRONG BASE			
ISSUER	APPROVER	CHECKER	ENGINEER
	朱美丽	叶楠	高雪
Authorized Signature 客戶簽字			
部門 Department			
簽字 Signature			

工廠名稱:宇之亮電子(深圳)有限公司

工廠地址:廣東省深圳市龍崗區橫崗鎮荷坳村金源工業區

Company Name: Pretty Light (Shen Zhen) Limited

Factory Address:jin-Yuan,Industrial Zone He-Ao Cun,Heng-Gang Zhen Long-Gang Area,Shen-Zhen City,

TEL: (755) 8976 6931 2862 5421

FAX: (755) 28684819 2862 5922



PART NO. : SB-3010IRB

DATE : 3 February 2016

3MM/ BLUE CLEAR LENS LED

SPECIFICATION

ABSOLUTE MAXIMUM RATING (Ta=25°C)

Item	Symbol	Rating	Unit
Forward Current	I _F	50	mA
Electrostatic Discharge (HBM)	---	---	V
Power Dissipation	P _d	100	mW
Peak Forward Current (1/10 Duty Cycle, 0.1 ms Pulse Width)	I _{FP}	200	mA
Reverse Voltage	V _R	5	V
Operating Temperature	T _{opr}	-25~+85	°C
Storage Temperature	T _{stg}	-40~+80	°C

ELECTRICAL/OPTICAL CHARACTERISTICS RATING (Ta=25°C)

Item	Symbol	Test Conditions	Rating			Unit
			Min.	Typ.	Max.	
Forward Voltage	V _F	I _F =20mA	---	1.2	1.6	V
Reverse Current	I _r	V _R =5V	---	---	10	μA
Radiant Power	P _o	I _F =20mA	---	18	---	mW
Dominant Wave Length	λ _d	I _F =20mA	---	940	---	nm
Recommend Forward Current	I _F (Rec)	-----	---	20	---	mA
Viewing Angle 2θ _{1/2}	2θ _{1/2}	I _F =20mA	20°			deg.

Notes:-

1) θ_{1/2} is the off-axis angle where the luminous intensity is half the optical centerline value.

Soldering Conditions : Soldering Temp. ≤ 260°C

Soldering Time ≤ 5 Sec.



: ESD protection measures shall be considered and taken in the initial design stage, because static electricity and surge could damage the LED.

Caution

A wrist band or an anti-electrostatic glove should be used when handling Electrostatic Sensitive Devices.

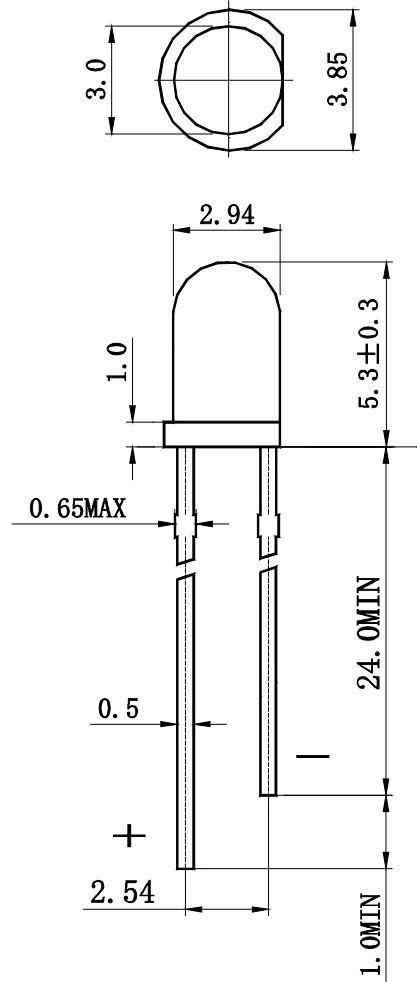
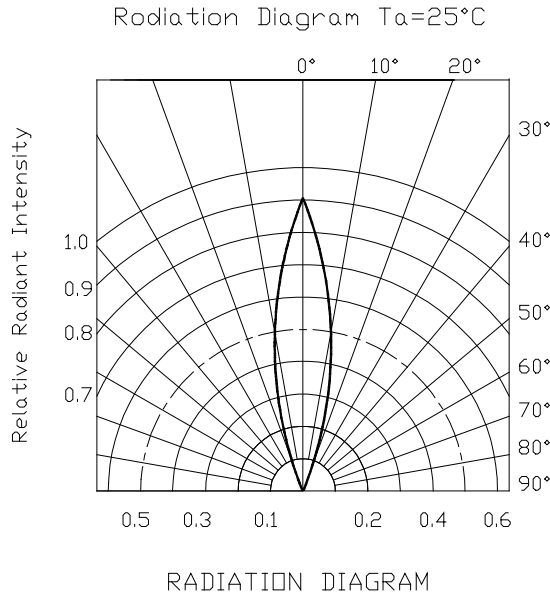


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3MM/ BLUE CLEAR LENS LED

PACKAGE DIMENSION



Item	Materials
Resin(Mold)	Epoxy Resin
Lead Frame	Copper Alloy

**Tolerance: $\pm 0.25(0.01)$
Unit: mm(inch)**

Part Number	Emitting Color	Lens Type
SB-3010IRB	/	BLUE CLEAR

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3MM/ BLUE CLEAR LENS LED

Typical Electrical/Optical Characteristics Curves

Fig1.Forward Current vs.Forward Voltage

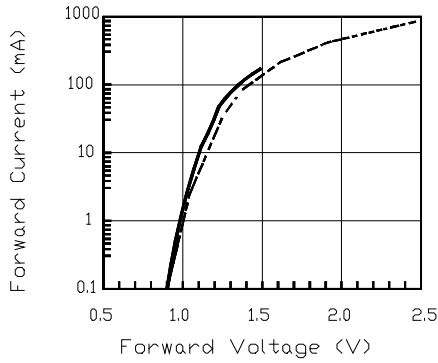


Fig2.Relative Radiant Intensity vs. Wavelength

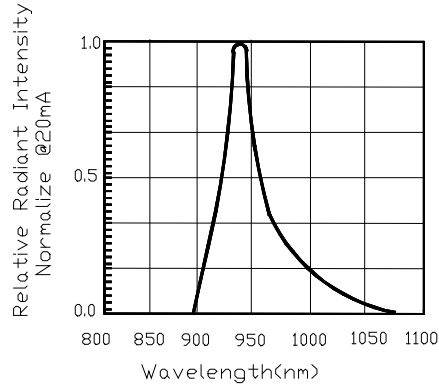


Fig3.Relative Radiant Power vs. Forward Peak Current

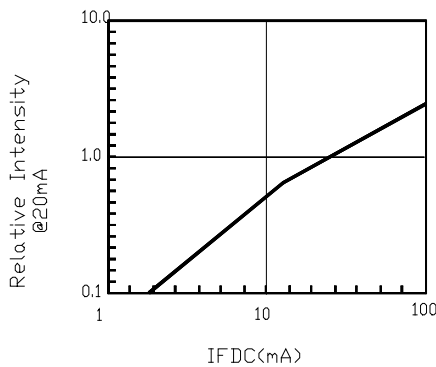


Fig4.Relative Radiant Power vs. Forward Peak Current

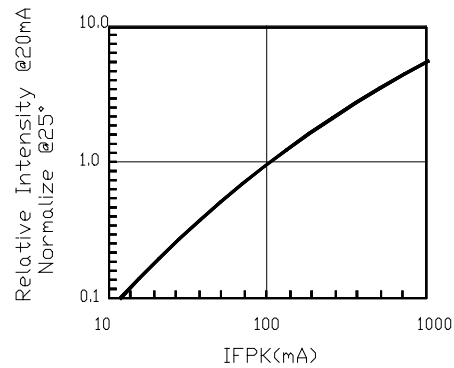


Fig5.Forward Voltage vs. Temperature

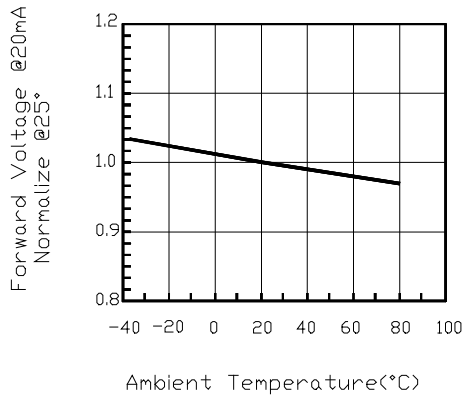


Fig6.Relative Radiant power vs. Temperature

