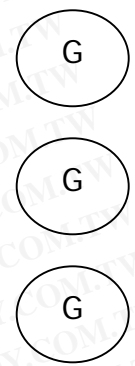


Color Description



勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-54151736
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

UNIT:mm

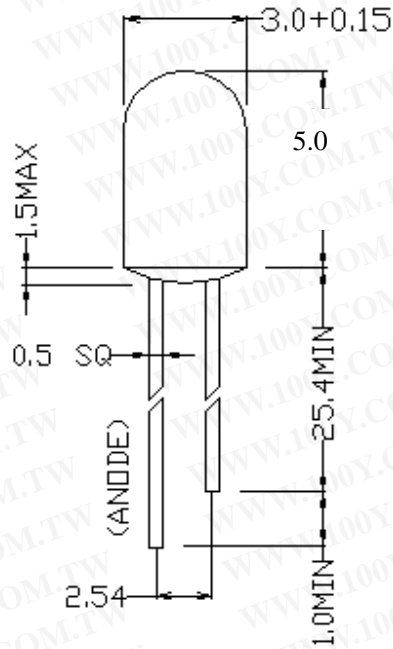
TOLERANCE is ± 0.3 mm

第三角法 3RD.ANGLE'S	材質 MATERIAL	顏色 COLOR	比例 SCALE	製圖 DRAWN	設計 DEXIGNER	圖面名稱 TITLE	產品編號 ITEN NO.
						HOUSING LED	SF-
				檢圖 CHECKED	承認 APPROVED	圖面編號 DWG NO. SF-	日期 DATE 15/09/

Features

- * Low power consumption.
- * Wide viewing angle.
- * Long life-solid state reliability.

Package Dimensions



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Part No.	Lens	Source Color
HTL-5G3B1H	Green	Green Diffused

Notes:

1. All dimensions are in millimetres (inches).
2. Tolerance is ± 0.25 mm (.010") unless otherwise noted.
3. Protruded resin under flange is 1.0 mm (.04") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice

Absolute Maximum Ratings at TA=25°C

Parameter	Maximum Rating	Unit
Power Dissipation	100	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	120	mA
Continuous Forward Current	30	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-55°C to +100°C	
Storage Temperature Range	-55°C to +100°C	
Lead Soldering Temperature [1.6mm(.063") From Body]	260°C for 5 Seconds	

Part No:YFL-5G3B1H

BNS-OD-C131/A4

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Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Min.	Tye.	Max.	Uni.	Test Condition
Luminous Intensity	Iv		70		mcd	IF=10mA Note 1,4
Viewing Angle	2 θ 1/2		45		deg	Note 2 (Fig.6)
Peak Emission Wavelength	λp		567		nm	Measurement @Peak(Fig.1)
Dominant Wavelength	λd		572		nm	Note 3
Spectral Line Half-Width	Δλ		5		nm	
Forward Voltage	VF		2.0	2.6	V	IF=20mA
Reverse Current	IR			100	μA	VR=5V
Capacitance	C		35		pF	Vf=0,f=1MHz

Note:1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commission International De L' Eclairage) eye-response curve.

2. θ 1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intercity.

3.The dominant wavelength, λd is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

4.The Iv guarantee should be added ±15%.

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Typical Electrical / Optical Characteristics Cures

(25°C Ambient Temperature Unless Otherwise Noted)

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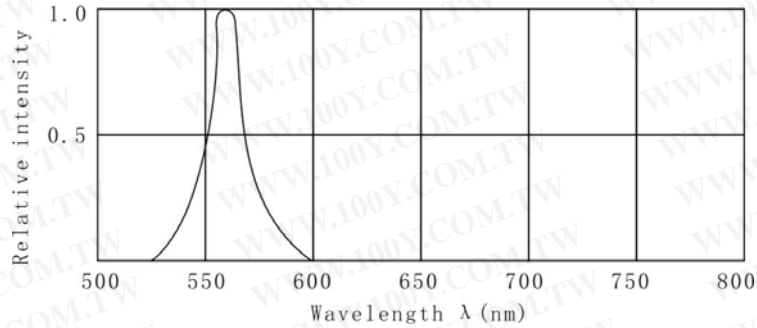
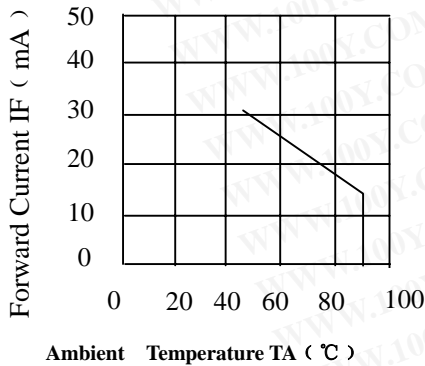
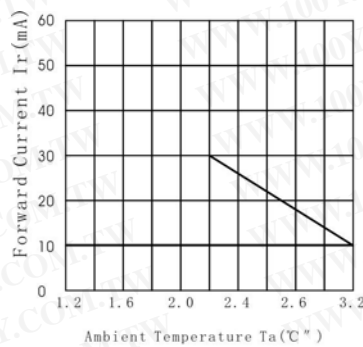


Fig. 1 Relative Intensity vs. Wavelength



Ambient Temperature TA (°C)

Forward current
Derating Curve



Ambient Temperature Ta (°C)
Fig. 3 Forward Current
Derating Curve

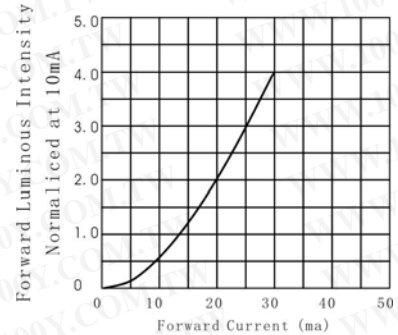
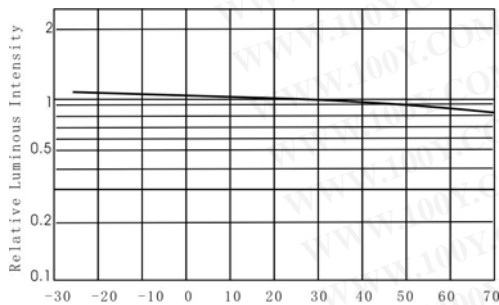


Fig. 4 Relative Luminous Intensity
vs Forward Current



Ambient Temperature ta (°C)
Fig. 5 Luminou Intensity
Ambient Temperature

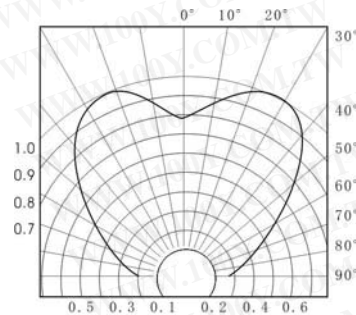


FIG. 6 SPATIAL DIACUBITION