

YELLOW STONE CORP.

LED PRODUCTS

LA304W3CA-1C/01

DATA SHEET

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

Approved By:

Checked By:

Prepared By:

YELLOW STONE CORP.

Characters

- § **Viewing angle 30°.**
- § **Reliable and Rugged**
- § **Standard 3mm diameter package.**

ITEM	MATERIALS
Resin(Mold)	Epoxy
Lens Color	Water Transparent
Lead Frame	Ag Plating Iron Alloy
Dice	InGaN

Absolute Maximum Ratings (Ta=25 °C)

Item	Symbol	Value	Unit
		White	
Power Dissipation	PD	120	mW
DC Forward Current	IF	20	mA
Pulsed Forward Current	IFP	100 *	mA
Reverse Voltage	VR	5 ▲	V
Operating Temperature	Topr	-25 ~ +80	
Storage Temperature	Tstg	-40 ~ +100	
Soldering Temperature	Tsol	260	

* Duty 1/10 Pulse Width 0.1ms This Rating is Zener Diode
At the position of 4mm from the bottom of the package within 5 seconds.

Electrical-Optical Characteristics (Ta=25

Part No.	Luminous Intensity (mcd)			Forward Voltage (V)			Forward Voltage (V)		Reverse Current(μ A)		Wavelength Characteristics		
	Typ.	Min.	IF (mA)	Typ.	Max.	IF (mA)	Min.	IF (μ A)	Max.	VR (V)	X	Y	IF (mA)
LA304W3CA-1C/01	2221	1709	20	3.2	4.0	20	2.0	100	50	5	0.2764	0.2553	20

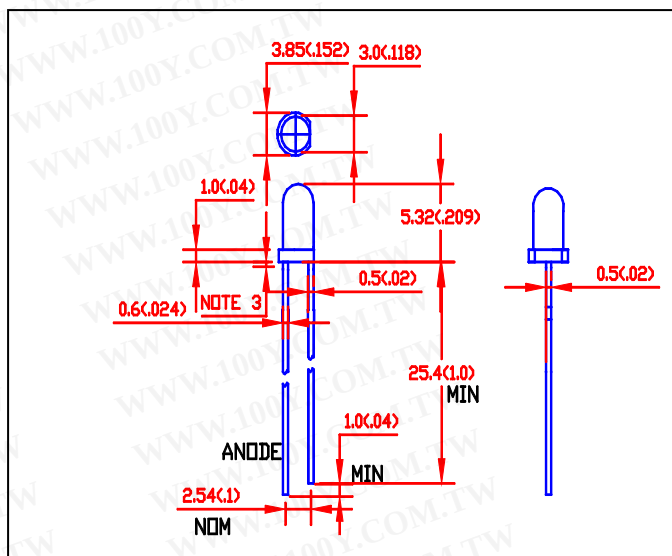
Axial Direction (luminous Intensity)

Notes:

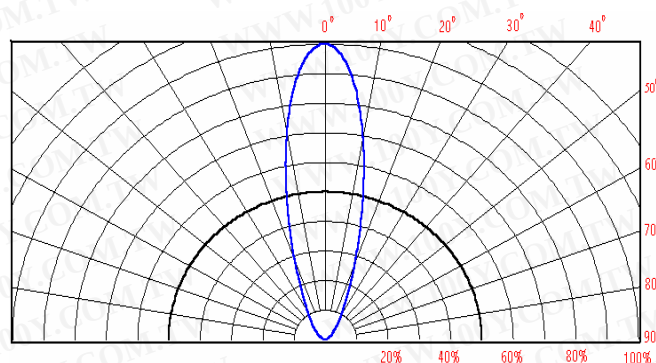
- § All dimensions are in millimeters (inches) .
- § Tolerance is ± 0.25 (.010) mm unless otherwise noted.
- § Protruded resin under flange is 1.0 mm (.04) max.
- § Lead spacing is measured where the leads emerge from the package.
- § Caution in ESD: Static Electricity and surge damages the LED. It is recommended to use a wrist band or anti-electrostatic glove when handling the LED. All devices, Equipment and machinery must be properly grounded.
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Outline Dimensions



Directive Characteristics ($T_a=25^\circ\text{C}$)



Relative Luminous Intensity

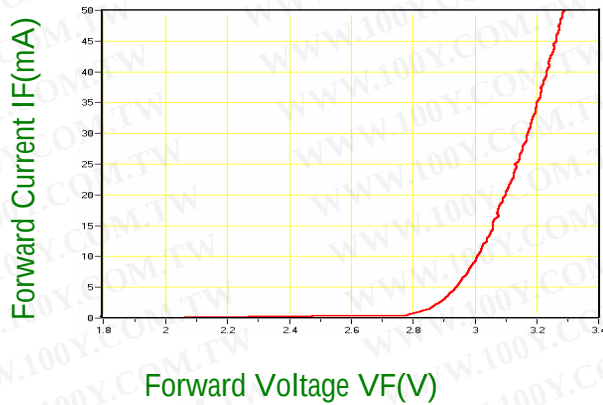
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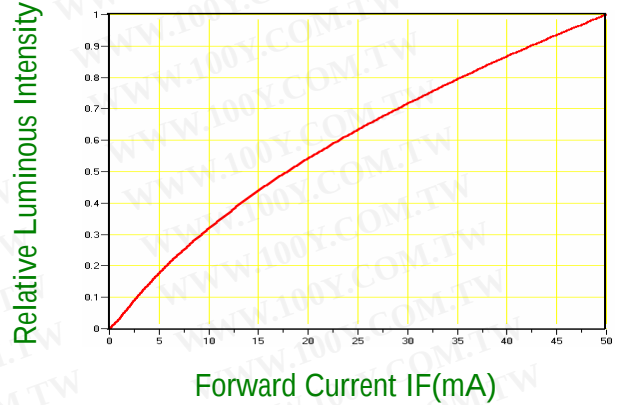
Typical Characteristics

The data typical , and the value is not guaranteed.

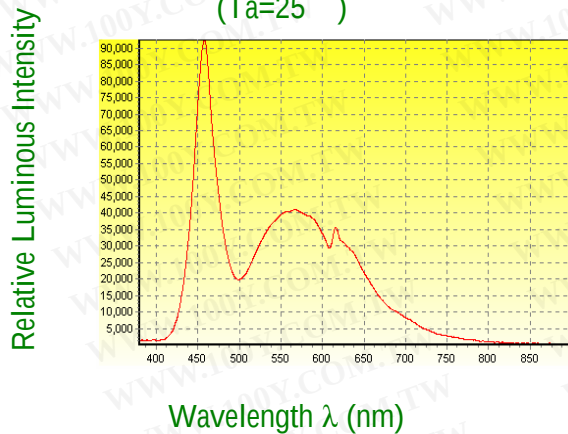
IF-VF(Ta=25)



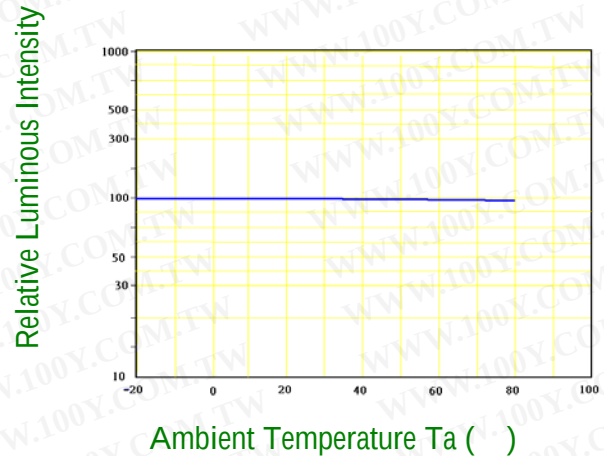
Relative Luminous Intensity-IF
(Ta=25)



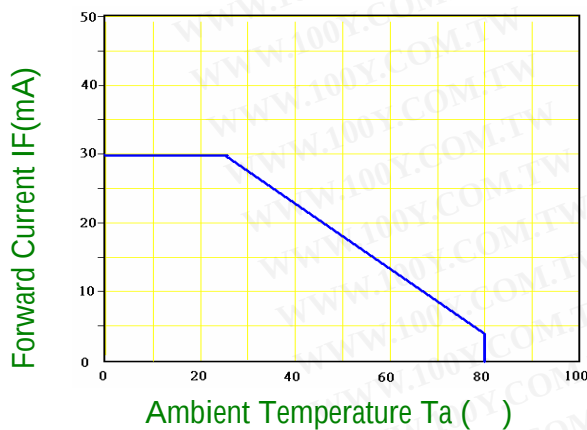
Wavelength Characteristics
(Ta=25)



Relative Luminous Intensity-Ta



IF-Ta



$\theta - \lambda$ (Ta=25)

