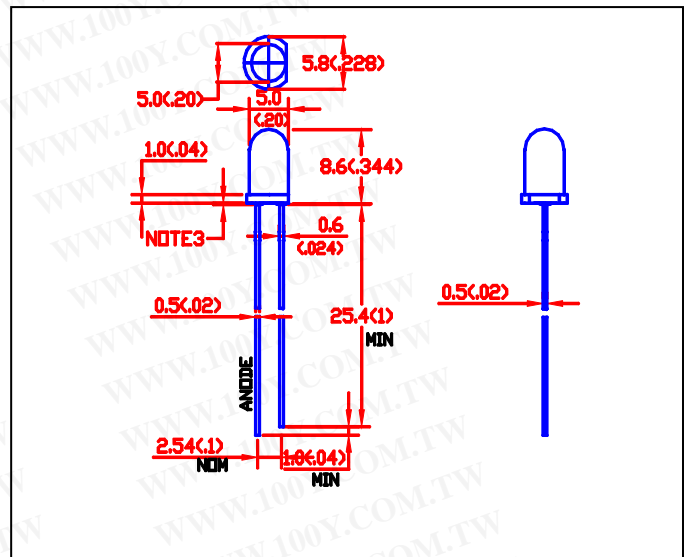


Characters

- § High intensity.
- § Viewing angle 15°.
- § Reliable and Rugged
- § Standard 5mm diameter package.

Outline Dimensions

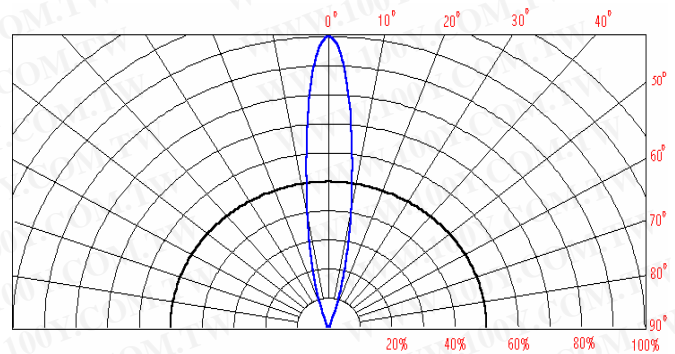


ITEM	MATERIALS
Resin(Mold)	Epoxy
Lens Color	Water Transparent
Lead Frame	Ag Plating Iron Alloy
Dice	InGaN

Absolute Maximum Ratings (Ta=25)

Item	Symbol	Value	Unit
		Blue	
Power Dissipation	PD	80	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	

Directive Characteristics (Ta=25)



* 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)

Relative Luminous Intensity

Part No.	Luminous Intensity (mcd)			Forward Voltage (V)			Forward Voltage (V)			Reverse Current (μ A)	Wavelength Characteristics (nm)			
	Typ.	Min.	IF (mA)	Typ.	Max.	IF (mA)	Min.	IF (μ A)	Max.	VR (V)	D Typ.	D Max.	Typ.	IF (mA)
LA503B2CA-1A/01	3500	2692	20	3.6	4.5	20	2.0	100	50	5	468	480	25	20

Axial Direction (luminous Intensity)

Products are sorted by wavelength, which cannot be specified by customer.

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 recommend to use a wrist band or anti-electrostatic glove when handling the LED. All devices, Equipment and machinery must be properly grounded.

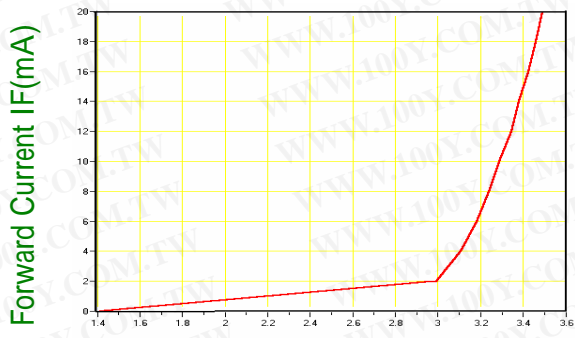
勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Typical Characteristics

The data typical , and the value is not guaranteed.

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)

IF-VF (Ta=25)



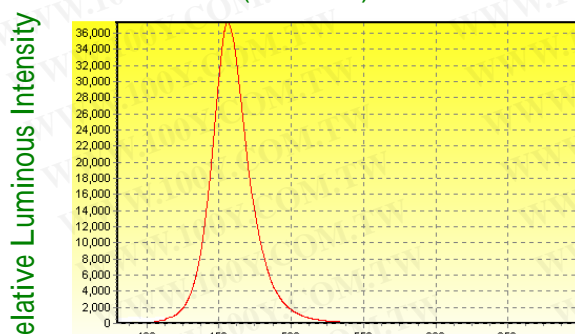
Forward Voltage VF (V)

Relative Luminous Intensity-IF (Ta=25)



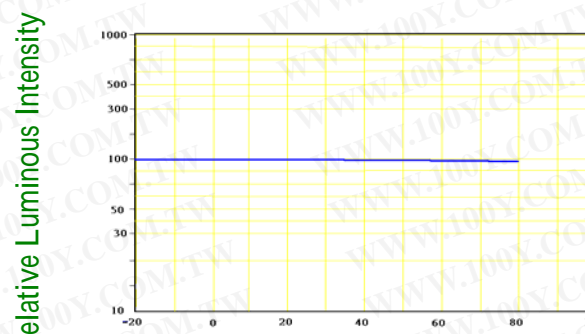
Forward Current IF (mA)

Wavelength Characteristics (Ta=25)



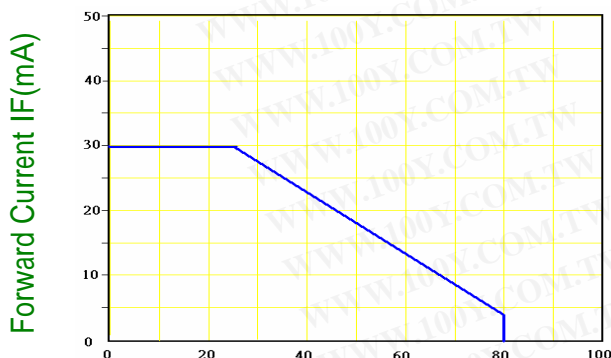
Wavelength λ (nm)

Relative Luminous Intensity-Ta



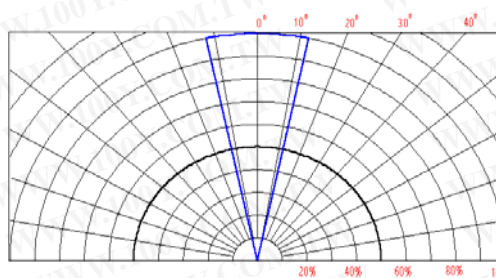
Ambient Temperature Ta ()

IF-Ta



Ambient Temperature Ta ()

θ - λ (Ta=25)



Wavelength λ (nm)