

LED PRODUCTS

BL503V2CA-3B/01

DATA SHEET

Approved By:

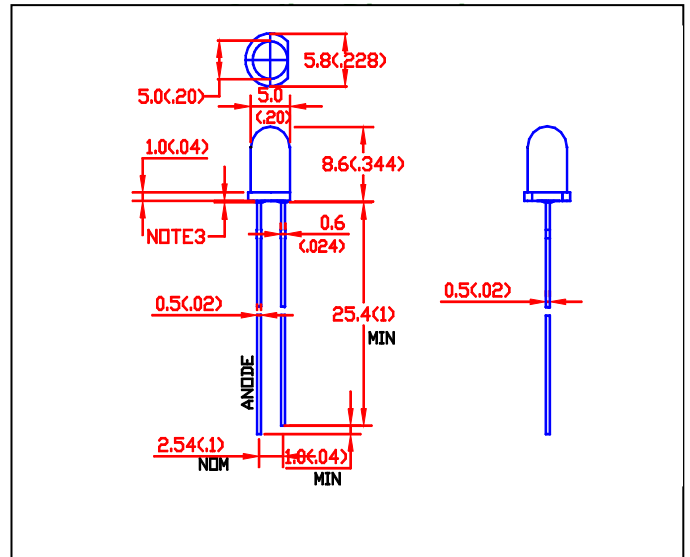
Checked By:

Prepared By:

Characters

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

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

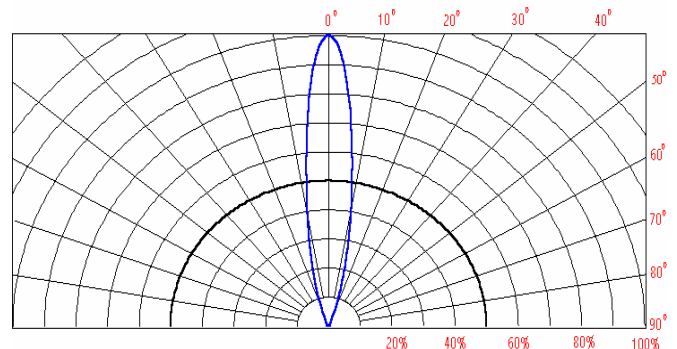


Absolute Maximum Ratings (Ta=25)

Item	Symbol	Value	Unit
		Red	
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.

Directive Characteristics (Ta=25)



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)	DTyp.	D Max.	Typ.	IF (mA)
BL503V2CA-3B/01	5000	3846	20	1.8	2.4	20	1.3	100	50	5	630	635	20	20

Axial Direction (luminous Intensity)

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

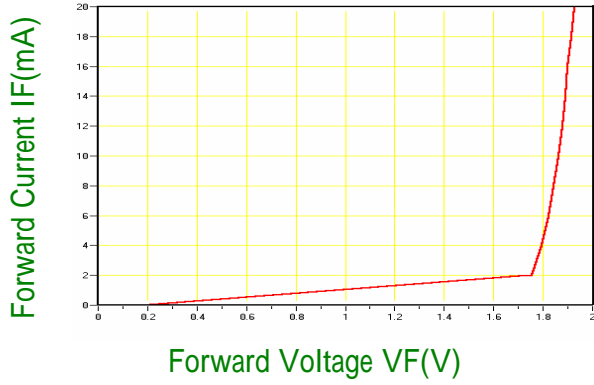
Notes:

- § 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.

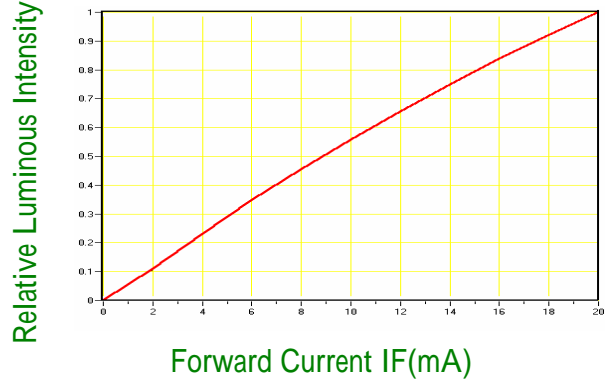
Typical Characteristics

The data typical, and the value is not guaranteed.

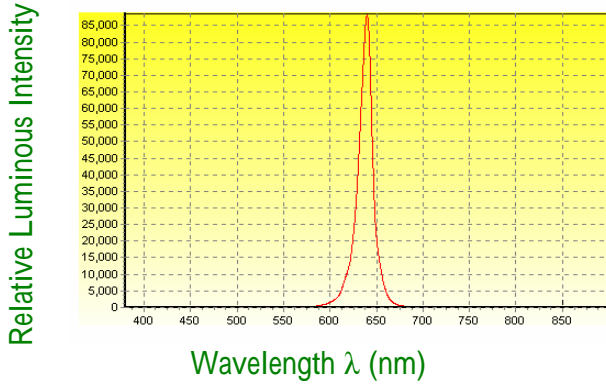
IF-VF(Ta=25 °C)



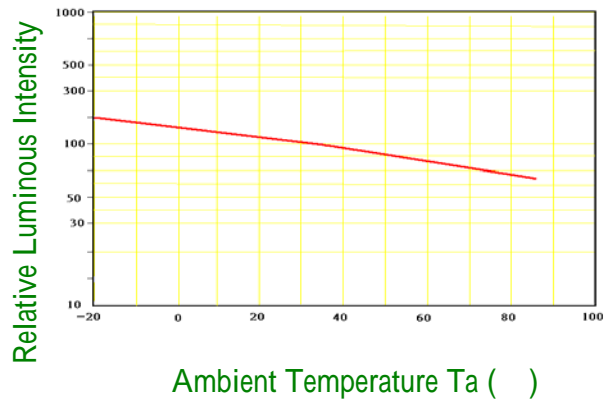
Relative Luminous Intensity-IF (Ta=25 °C)



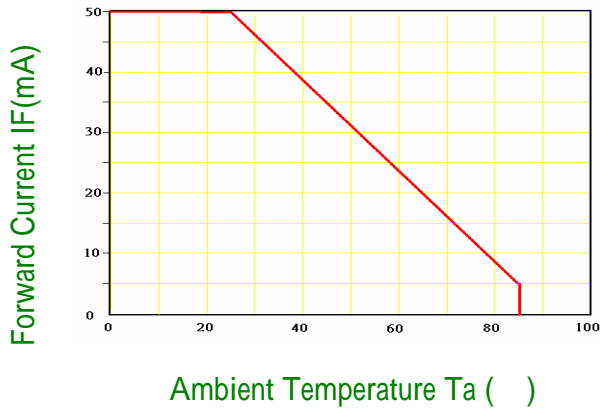
Wavelength Characteristics (Ta=25 °C)



Relative Luminous Intensity-Ta



IF-Ta



θ - λ(Ta=25 °C)

