



# 深圳市亞磊科技有限公司

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**P/N: YLW1-G323B<sub>13</sub>R<sub>13</sub>-C**

## Descriptions:

- ◇ φ3.0mm standard type, 3 pins, Common Cathode
- ◇ Emitting Color: Blue, Red
- ◇ Lens color: White Diffused



## Absolute Maximum Rating(TA=25℃)

Items	Symbol	Absolute Maximum Rating	Unit
Reverse Voltage	V <sub>R</sub>	5	V
Reverse current	I <sub>R</sub>	5	uA
Peak Current(duty)	I <sub>FP</sub>	60	mA
Power Dissipation	P	60	mW
Operating Temperature range	T <sub>OPR</sub>	-20 ~ +70	℃
Storage Temperature range	T <sub>STG</sub>	-20 ~ +70	℃
Lead soldering temperature	T <sub>SOL</sub>	Max. 260℃ for 3 second Max.	

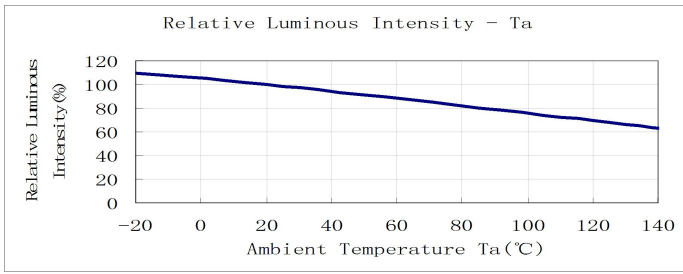
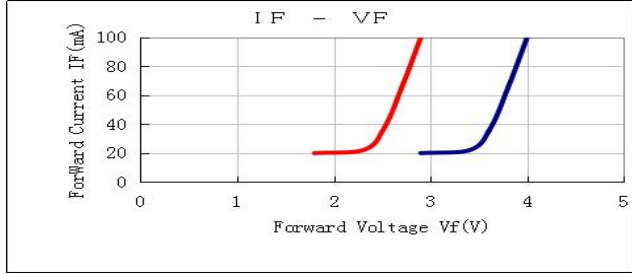
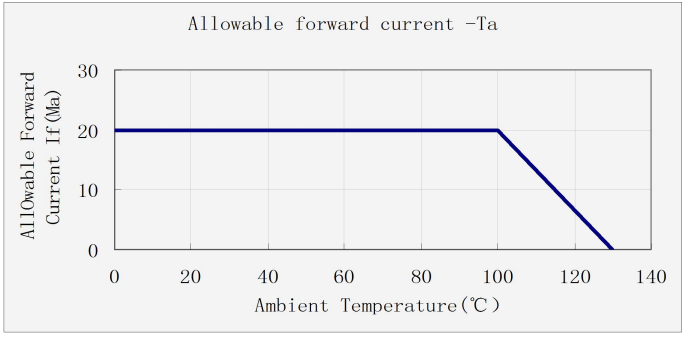
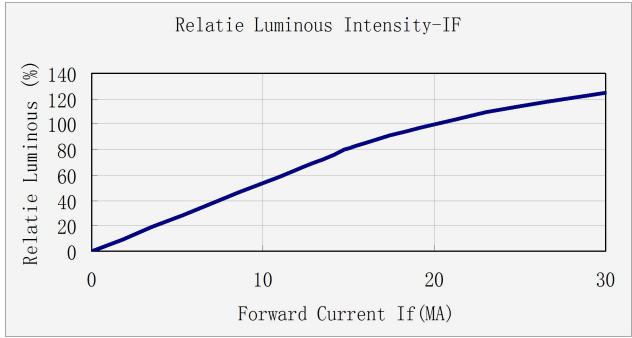
## Electro-optical characteristics(TA=25℃)

### RED COLOR :

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	V <sub>F</sub>	1.70	2.00	2.30	V	IF=20 mA
Luminous intensity	I <sub>v</sub>	100.00		300.00	mcd	IF=20 mA
Peak emission wavelength	λ <sub>p</sub>	620.00	625.00	630.00	nm	IF=20 mA
Half intensity angle	2θ <sup>1/2</sup>		30		deg	IF=20 mA

### BLUE COLOR :

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	V <sub>F</sub>	2.6	3.2	3.4	V	IF=20 mA
Luminous intensity	I <sub>v</sub>	200.00		400.00	mcd	IF=20 mA
Peak emission wavelength	λ <sub>p</sub>	460	465	475	nm	IF=20 mA
Half intensity angle	2θ <sup>1/2</sup>		30		deg	IF=20 mA



**Application diagram and Dimensions**

