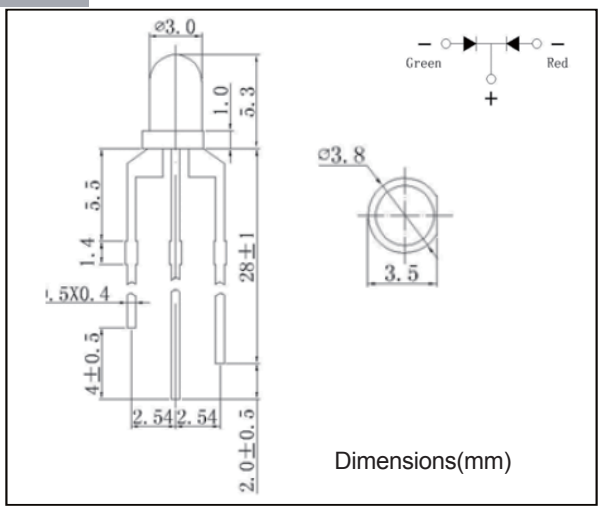
3ARG9HWB

Light Emitting Diode

Product Characteristics：

- ●Ultra Bright Brightness
- ●3mm Round Type Bi-Color LED Lamp
- ●Package General Purpose Lead
- ●Highly Reliable
- ●Water Diffused Lens



Dimensions(mm)

MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

Typical Electrical & Optical Characteristics (Ta = 25℃)

Emitting Color	ITEMS	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Red	Forward Voltage	VF	IF = 20mA	---	2.2	2.6	V
	Luminous Intensity	IV	IF = 20mA	---	36	60	mcd
	Dominant Wavelength	λD	IF = 20mA	---	572	---	nm
Green	Forward Voltage	VF	IF = 20mA	---	2.2	2.6	V
	Luminous Intensity	IV	IF = 20mA	---	36	60	mcd
	Dominant Wavelength	λD	IF = 20mA	---	572	---	nm
Reverse Current		IR	VR = 5V	---	---	30	mA
50% Power Viewing Angle		2θ½	IF = 20mA	---	60	---	deg

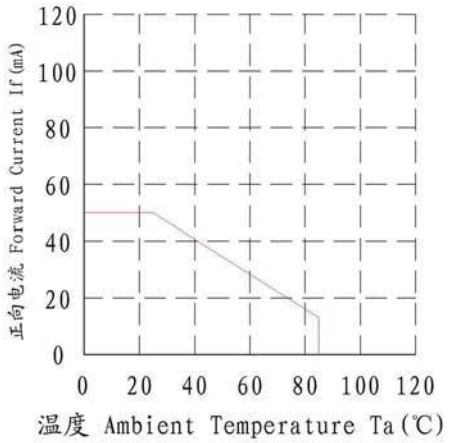
Absolute Maximum Ratings at (Ta = 25℃)

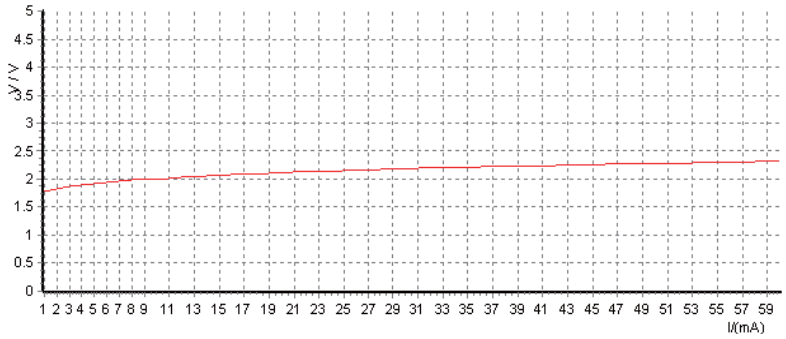
ITEMS	SYMBOL	ABSOLUTE MAXIMUM RATING	UNIT
Peak Forward Current	IFP	200	mA
Continuous Forward Current	IL	20	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	115	mW
Operation Temperature	Topr	-40 ~ +80	℃
Storage Temperature	Tstg	-40 ~ +80	℃
Lead Soldering Temperature	Tsol	Max.260°C for 5 sec Max.	

IFP Conditions：Pulse Width
Transport 10msec duty transport 1/10 Tsol
Conditions: 4mm from the bottom of the gel base

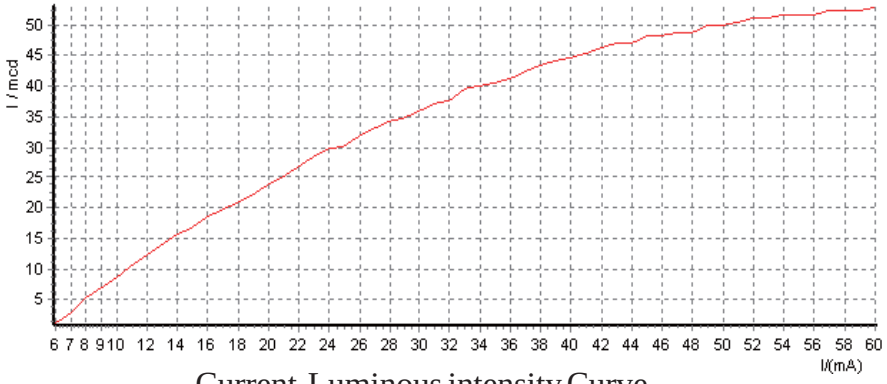
RATINGS AND CHARACTERISTIC CURVES

Typical Optical/Electrical Characteristics Curves (Ta=25℃ Unless Otherwise Noted)

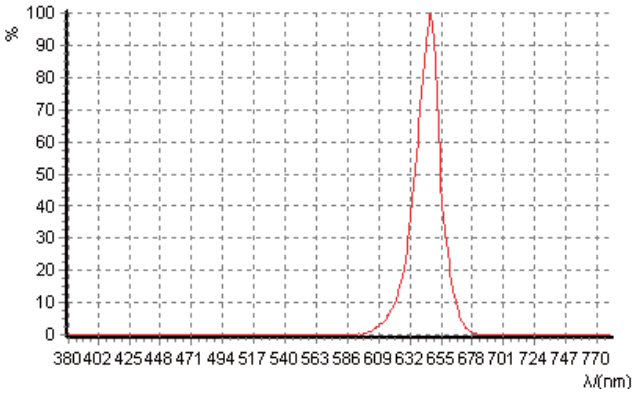




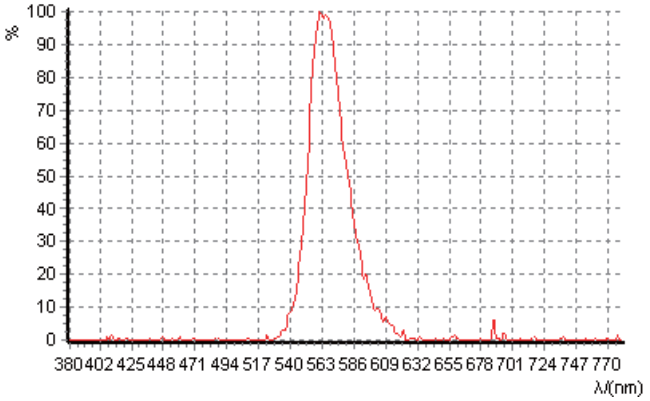
Current-Voltage Curve



Current-Luminous intensity Curve



Relative Spectral Distribution Curve（Red）



RelativeSpectralDistributionCurve（Green）