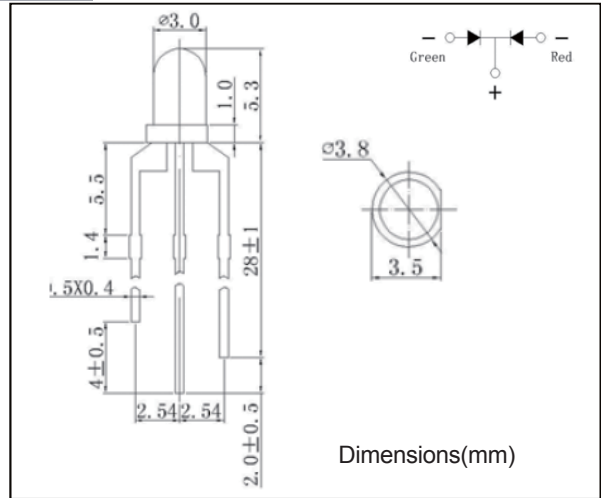


## Light Emitting Diode

### Product Characteristics:

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



## MAXIMUM RATINGS AND CHARACTERISTICS

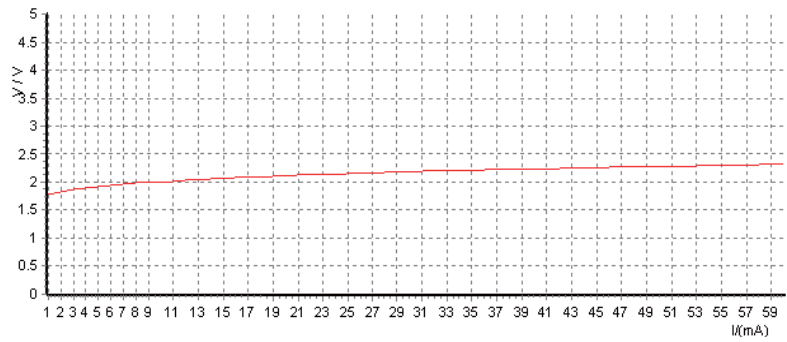
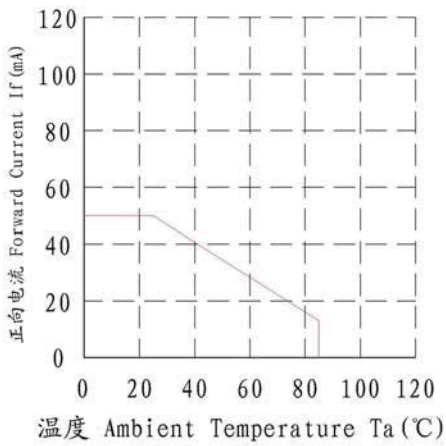
@ 25°C Ambient Temperature (unless otherwise noted)

Typical Electrical & Optical Characteristics (Ta = 25°C)							
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	$\lambda D$	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	$\lambda D$	IF = 20mA	---	572	---	nm
Reverse Current		IR	VR = 5V	---	---	30	mA
50% Power Viewing Angle		2 $\theta$ ½	IF = 20mA	---	60	---	deg
Absolute Maximum Ratings at (Ta = 25°C)							
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				°C	
Storage Temperature	Tstg	-40 ~ +80				°C	
Lead Soldering Temperature	Tsol	Max.260°C for 5 sec Max.					

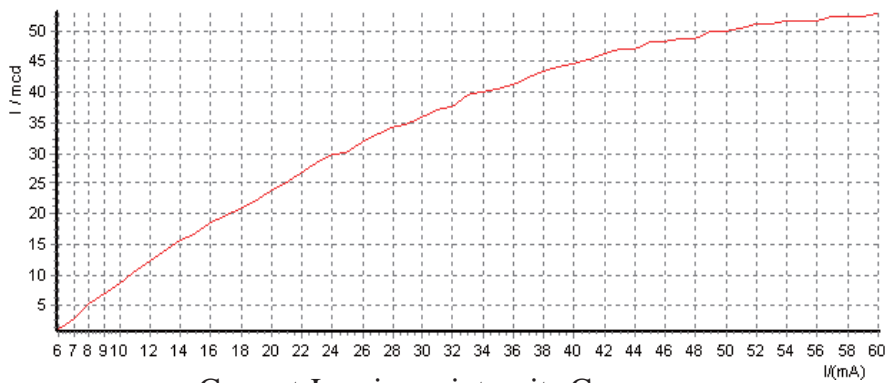
IFP Conditions: Pulse Width  
 Transport 10msec duty transport 1/10 Tsol  
 Conditions: 4mm from the bottom of the gel base

# RATINGS AND CHARACTERISTIC CURVES

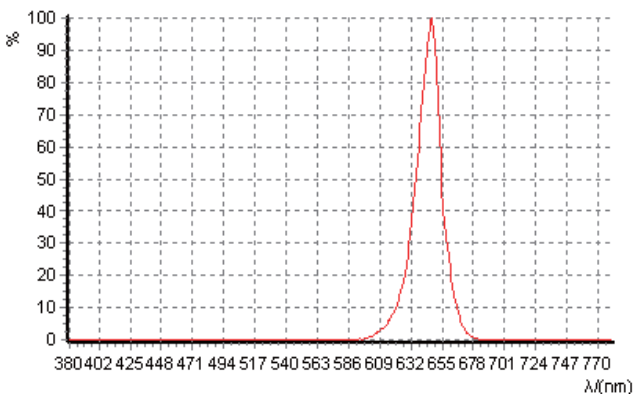
Typical Optical/Electrical Characteristics Curves (Ta=25°C Unless Otherwise Noted)



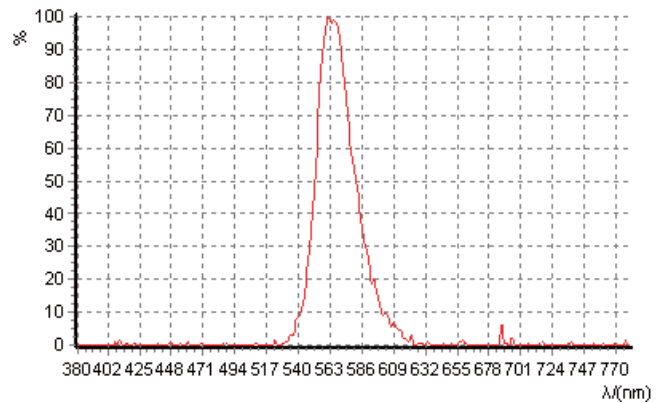
Current-Voltage Curve



Current-Luminous intensity Curve



Relative Spectral Distribution Curve (Red)



Relative Spectral Distribution Curve (Green)