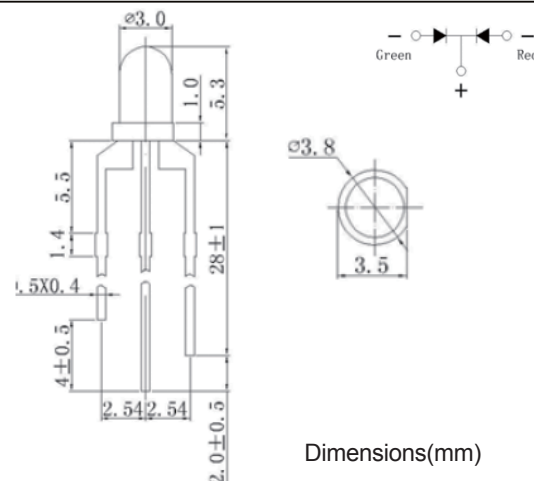


Light Emitting Diode

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

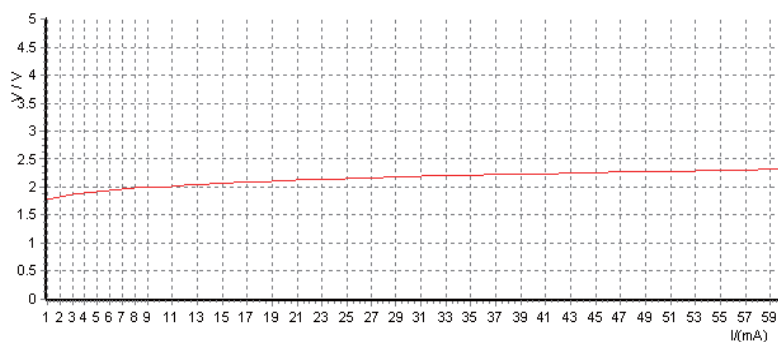
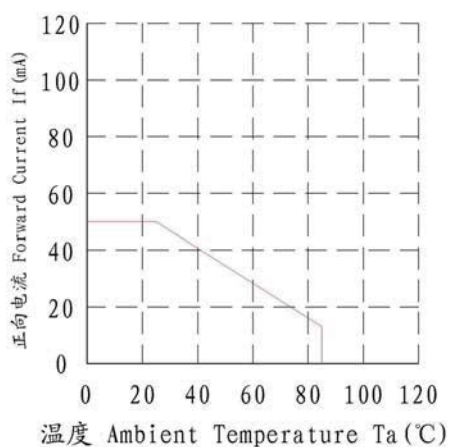
@ 25°C Ambient Temperature (unless otherwise noted)

Typical Electrical & Optical Characteristics (Ta = 25°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	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		2 $\theta_{1/2}$	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.				

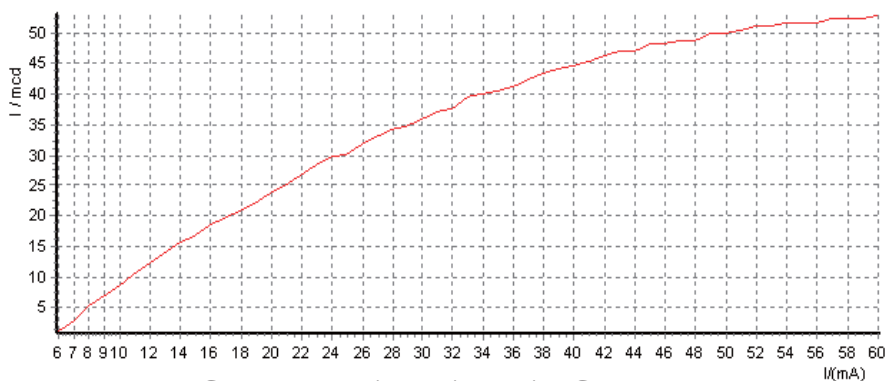
IFP Conditions: Pulse Width
 Transport 10msec duty transport 1/10 Tsol
 Conditions: 4mm from the bottom of the gel base

RATINGS AND CHARACTERISTIC CURVES

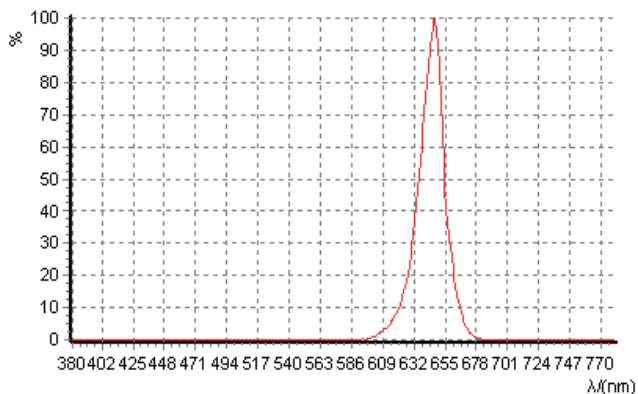
Typical Optical/Electrical Characteristics Curves (Ta=25°C Unless Otherwise Noted)



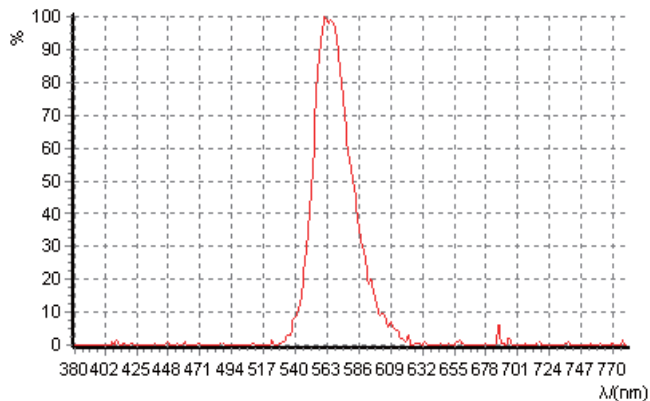
Current-Voltage Curve



Current-Luminous intensity Curve



Relative Spectral Distribution Curve (Red)



Relative Spectral Distribution Curve (Green)