PART NO:CH-L2B03AGD-06

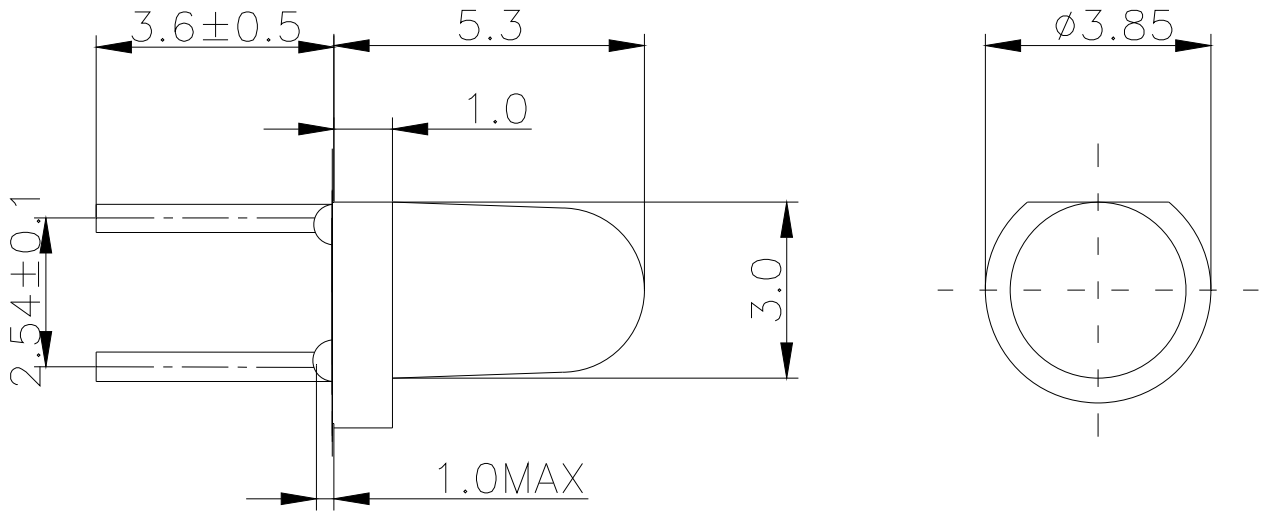
◆**Features**

- ●**3mm Round LED Lamps**
- ●**Emitting Color:Kelly**
- ●**Lens Color:Green Diffuse**
- ●**Mertial:GaP**
- ●**Low power consumption**
- ●**Excellent product quality and reliability**
- ●**Lead-free device**

◆**Applications**

- ● **Electronic signs and signals**
- ● **Bright ambient lighting conditions**
- ● **Backlight**
- ● **General purpose indicatiors**

◆ Package Dimensions



Notes:
1. All dimensions are in millimeters.
2. Tolerance is ±0.25 unless otherwise noted.
3. Lead spacing is measured where the leads emerge from the package.
4. Specifications are subject to change without notice.
5.The design and working Current for Led is not less than2mA.

◆ Absolute Maximum Ratings at TA=25°C

Parameter	Symbol	Value	Unit
Power Dissipation	PD	80	mW
Forward Current	IF	30	mA
Peak Forward Current*1	IFP	150	mA
Reverse Voltage	VR	5	V
Operating Temperature	Topr	-40°C To +80°C ▲	
Storage Temperature	Tstg	-40°C To +85°C	
Soldering Temperature*2	Tsol	260°C For 5 Seconds Δ	

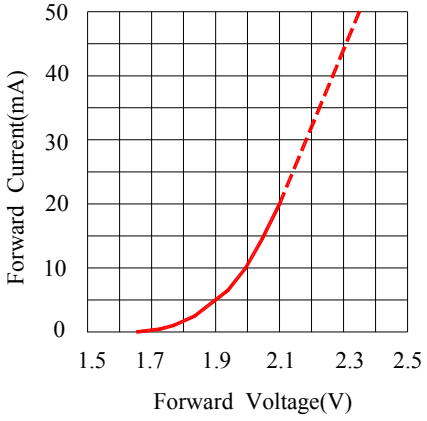
Notes:
*1: Pulse width≤0.1ms, Duty cycle≤1/10
∗2:ΔAt the position of 3mm below package base.
∗3:▲Plese refer to the curve of forward current vs.temperature

◆ Electrical / Optical Characteristics at TA=25°C

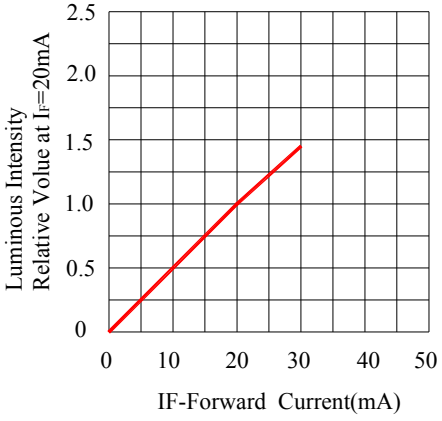
Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions
Forward Voltage	VF	1.8	2.20	2.6	V	IF=20mA
Reverse Current	IR	—	—	10	μA	VR=5V
Dominant Wavelength	λd	565	570	575	nm	IF=20mA
Peak Wavelength	λP	—	568	—	nm	IF=20mA
Spectral line Half-width	Δλ	—	30	—	nm	IF=20mA
Luminous Intensity	IV	25	50	100	mcd	IF=20mA
Power Angle	2θ1/2	—	35	—	Deg.	IF=20mA

Remarks:
If special sorting is required (e.g. binning based on forward voltage, luminous intensity, or dominant wavelength), the typical accuracy of the sorting process is as follows:
1.Dominant Wavelength:+/-1nm
2.Chromatic Coordinates:+/-0.01
3. Luminous Intensity: +/-15%

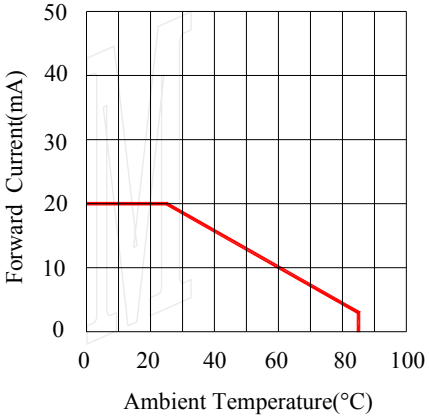
◆ Typical Electrical/Optical Characteristics Curves



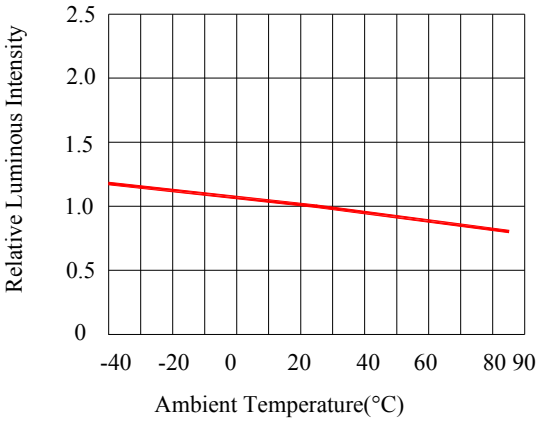
FORWARD CURRENT Vs.
FORWARD VOLTAGE



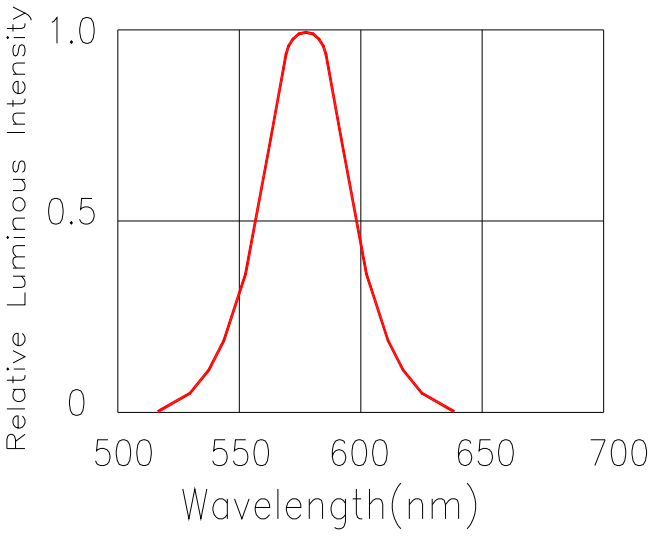
LUMINOUS INTENSITY Vs.
FORWARD CURRENT

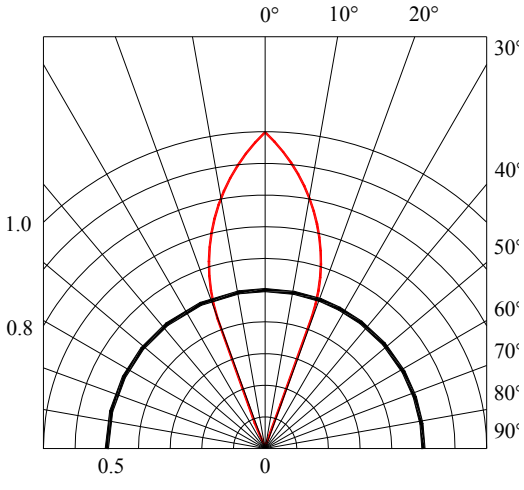


FORWARD CURRENT
DERATING CURVE



LUMINOUS INTENSITY Vs.
AMBIENT TEMPARATURE





SPATIAL DISTRIBUTION