SPECIFICATION FOR APPROVAL

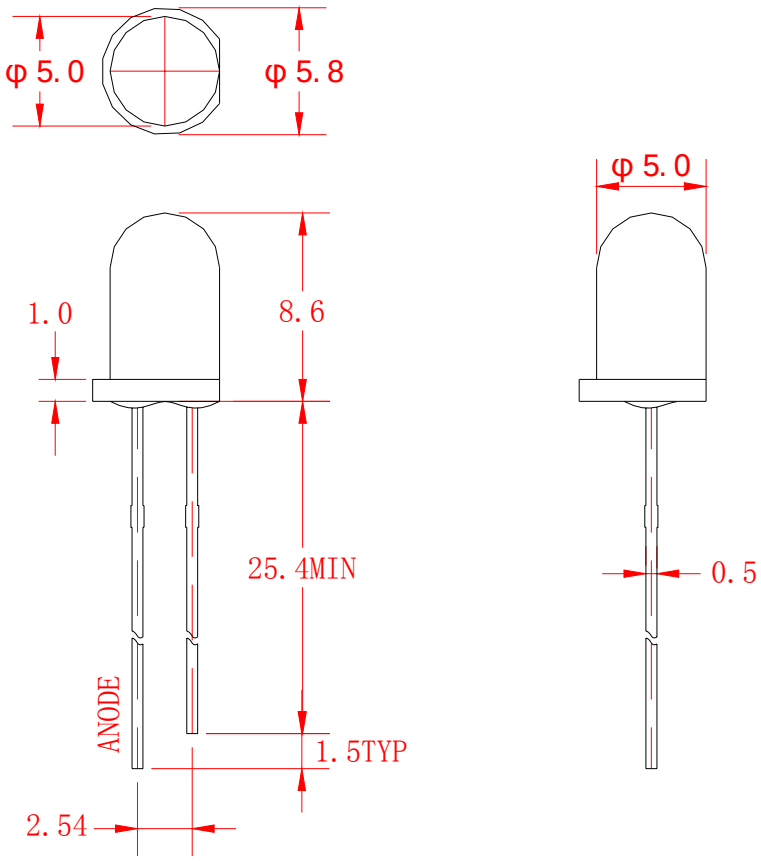
Part No.： 220100005

Form Designer：　　Engineer：　　Quality Controller：

Product Characteristics:

- ❖ Ultra Bright
- ❖ 5mm Diameter Circular Shape Package
- ❖ General Purpose Lead
- ❖ Highly Reliable

Shape and Size:



Part No.	Lens Color	Source Color
250100005	White	Water clear

Notes:

1. All dimensions are in millimeters。
2. Tolerance is ±0.25mm unless otherwise noted。
3. Lead spacing is measured where the leads emerge from the package。

Absolute Maximum Ratings at Ta=25℃

Parameter	MAX	Unit
Power Dissipation	120	mW
Continuous Forward Current	20	mA
Reverse Voltage	5	V
Operating Temperature Range	-25℃ to +80℃	
Storage Temperature Range	-30℃ to +100℃	
Lead Soldering Temperature (4mm(.157”) from Body)	260℃ for 5 seconds	

Electrical Optical Characteristics at Ta=25℃

Parameter	Symbol	Min	Typical	Max.	Unit	Test Condition
Luminous Intensity	Iv	-	10,000	-	mcd	I_F=20mA
Viewing Angle	θ	-	20	-	Deg	I_F=20mA
Dominant Wavelength	λ D	X=0.31, Y=0.32			nm	I_F=20mA
Forward Voltage	V_F	-	3.2	4.0	V	I_F=20mA
Reverse Current	I_R	-	<1	10	μ A	V_R=5V

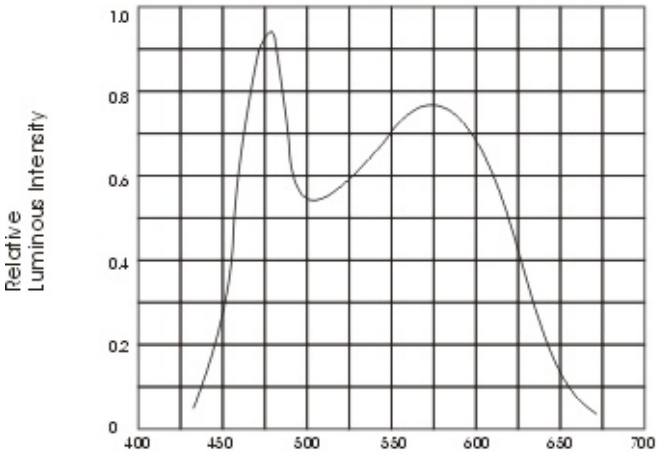
Note：

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
3. Bin categories are established for classification of products.

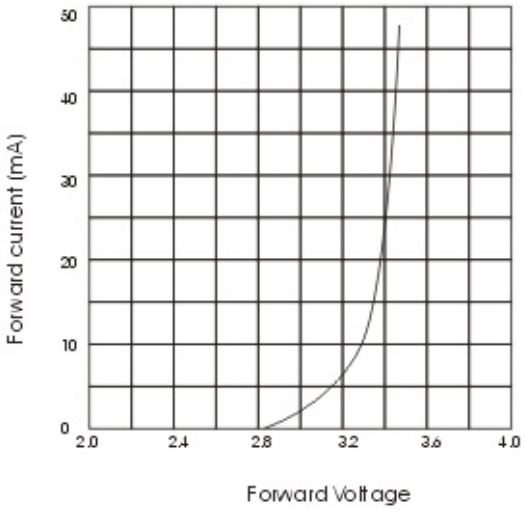
Typical Electro-Opticai Characteristic Curves

(25℃ Ambient Temperature Unless Otherwise Noted)

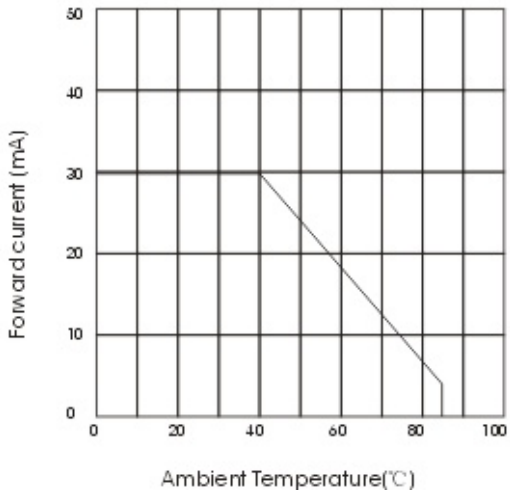
Relative Spectrum Distribution



Forward Current Vs Forward Voltage



Forward Current Relating Curve



Radiation Diagram