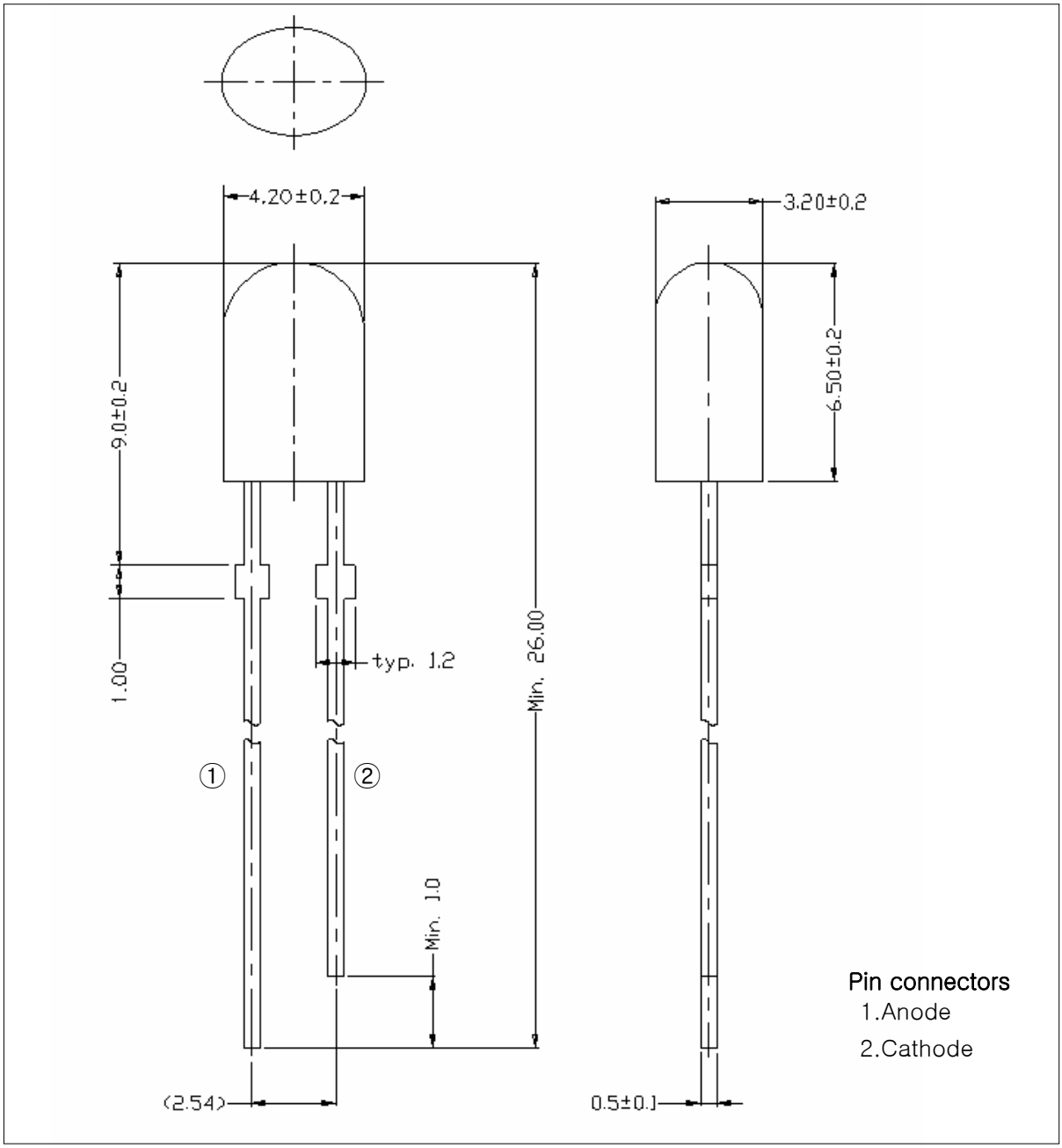
■ Features

- Colored transparency lens type
- ϕ4mm Oval plastic mold type
- High Luminosity

■ Outline dimensions

(unit : mm)



■ Absolute Maximum Ratings

(Ta=25℃)

Characteristic	Symbol	Ratings	Unit
Power dissipation	P_D	75	mW
Forward Current	I_F	25	mA
*[1]Peak Forward Current	I_{FP}	50	mA
Reverse Voltage	V_R	5	V
Operating Temperature	T_{opr}	−25 ~ +85	℃
Storage Temperature	T_{stg}	−30 ~ +100	℃
*[2]Soldering Temperature	T_{sol}	260℃ for 3 seconds	

*1.Duty ratio ≦ 1/10, Pulse Width ≦ 10msec

*2.Keep the distance more than 2.0mm from PCB to the bottom of LED package

■ Electrical – Optical Characteristics

(Ta=25℃)

Characteristic	Symbol	Test Condition		Min.	Typ.	Max.	Unit
Forward Voltage	V_F	I_F= 20mA		−	2.0	2.4	V
Dominant Wavelength	λ_d	I_F= 20mA		619	623	626	nm
Spectrum Bandwidth	Δ_λ	I_F= 20mA		−	20	−	nm
Reverse Current	I_R	V_R=5V		−	−	10	Ua
*[3]Half Angle	θ1/2	I_F= 20mA	x	−	±55	−	deg
			y	−	±30	−	deg

*3. θ1/2 is the off-axis angle where the luminous intensity is 1/2 the peak intensity

■ Luminous intensity ranks

(Ta=25℃)

Iv RANK	Test Condition	Min.	Typ.	Max.	Unit
L	I_F= 20mA	300	-	420	mcd
M		420	-	600	
N		600	-	850	
O		850	-	1200	

* Luminous intensity is tested at a current pulse duration of 25 ms and an accuracy of ±11%.

Intensity Measured : 0.01sr(CIE. LED_B)

■ Characteristic Diagrams

Fig. 1 I_F-V_F

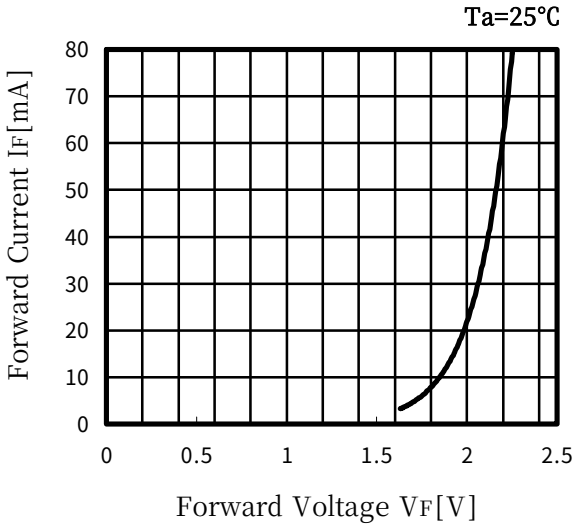


Fig. 2 I_V-I_F

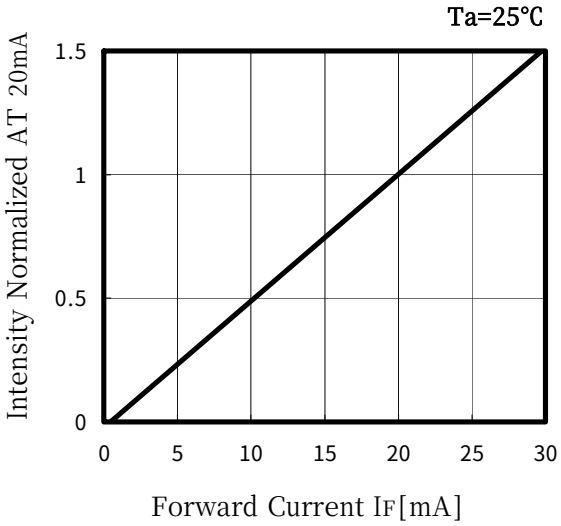


Fig.3 Max. Permissible Forward Current

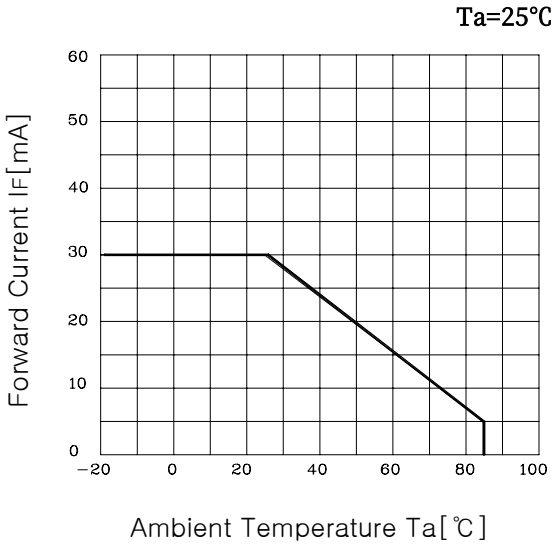


Fig. 3 Spectrum Distribution

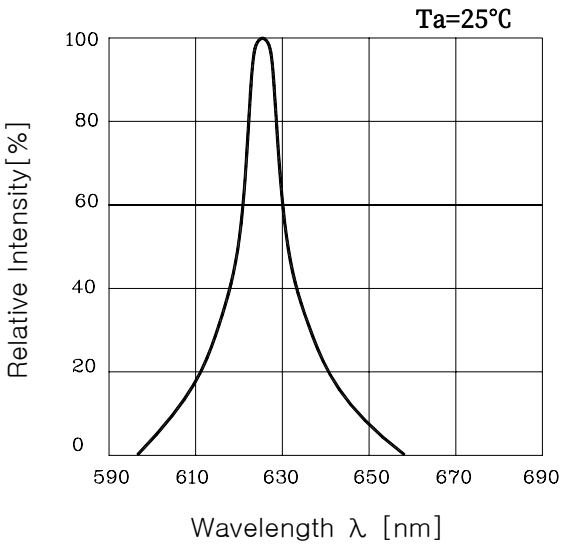
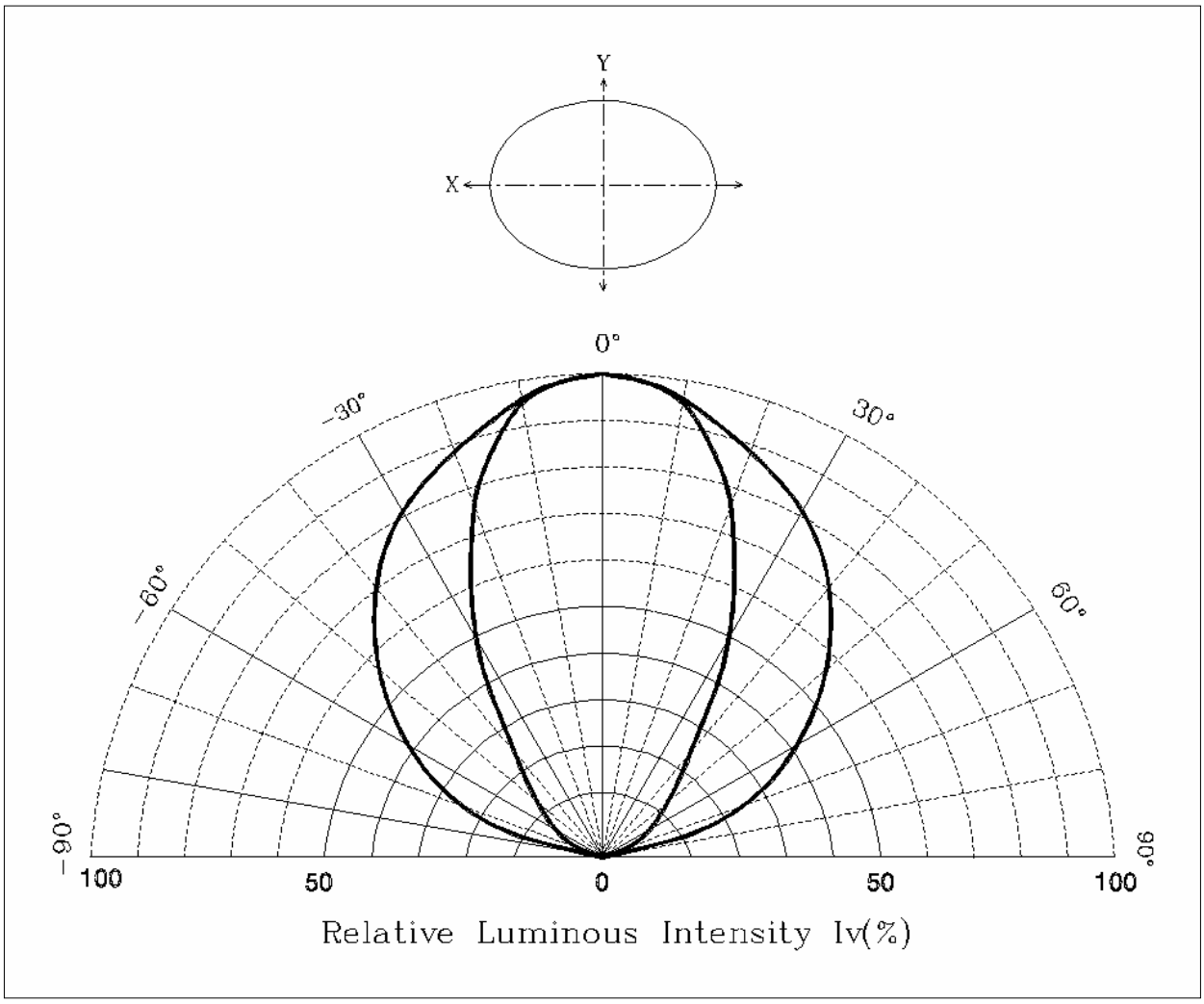


Fig. 4 Radiation Diagram

(Ta=25℃)



■ Revision history sheet

Spec NO.			
Title	Specification for Approval		
Times	Date	Summary of revision	Remarks
1	2001. 07. 15	신규제정	
2	2003. 02. 26	Format 변경	
3	2004. 06. 03	Iv Rank 변경	