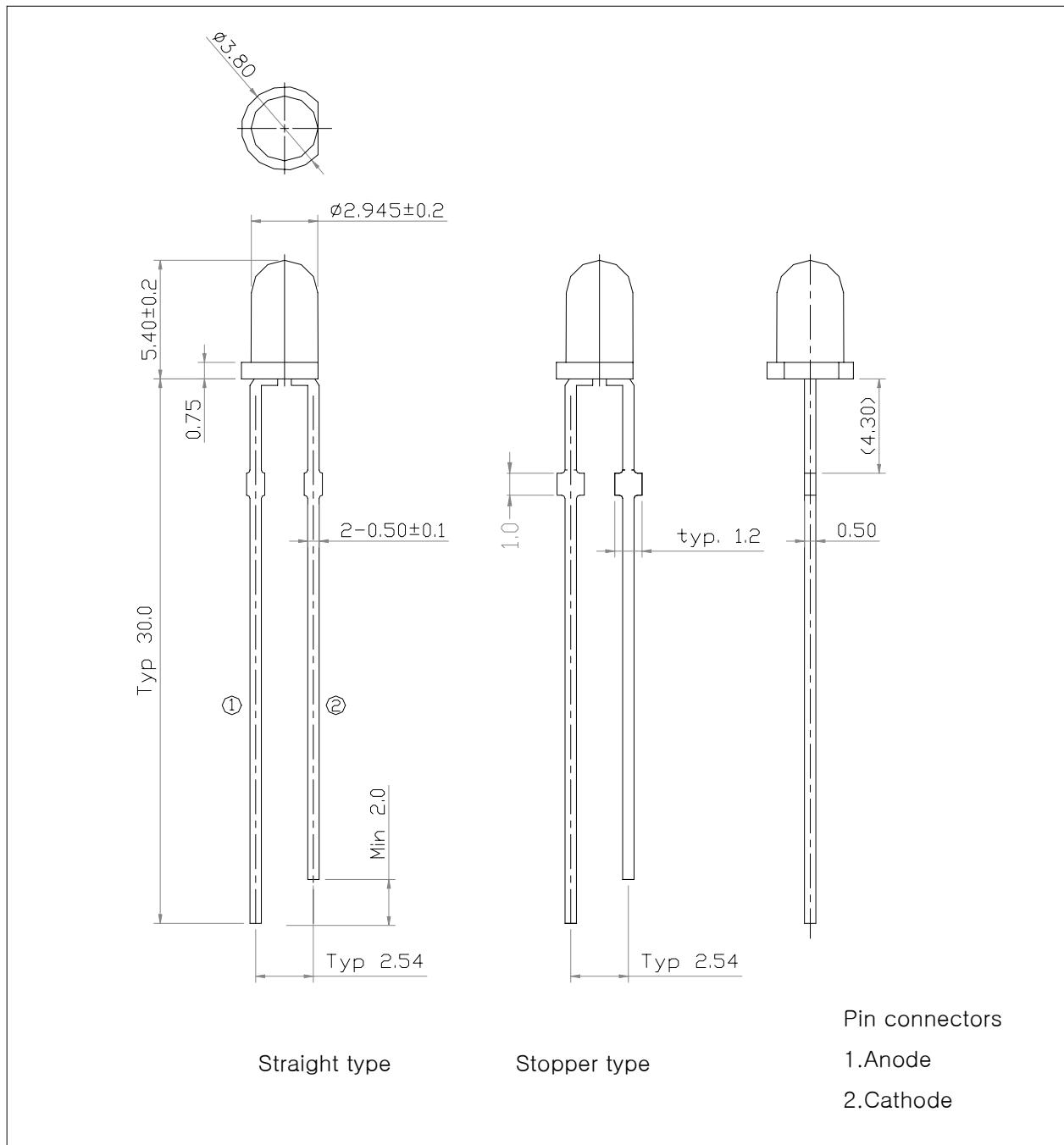


■ Features

- Colorless transparency lens type
- $\phi 3\text{mm}(T-1)$ all plastic mold type
- High luminosity

■ Outline dimensions

(unit : mm)



■ Absolute maximum ratings

Characteristic	Symbol	Ratings	Unit
Power dissipation	P _D	120	mW
Forward Current	I _F	30	mA
* ¹ Peak Forward Current	I _{FP}	100	mA
Reverse Voltage	V _R	5	V
Operating Temperature	T _{opr}	-30~85	°C
Storage Temperature	T _{stg}	-40~100	°C
* ² Soldering Temperature	T _{sol}	260 °C 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 °C)

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F = 20mA	-	2.1	2.7	V
Dominant Wavelength	λ _P	I _F = 20mA	-	592	-	nm
Spectrum Bandwidth	Δλ	I _F = 20mA	-	15	-	nm
Reverse Current	I _R	V _R =5V	-	-	10	uA
* ³ Half Angle	θ _{1/2}	I _F = 20mA	-	±17	-	deg

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

■ Luminous intensity ranks

(Ta=25°C)

Iv RANK	Test Condition	Min.	Typ.	Max.	Unit
P	I _F = 20mA	1200	–	1700	mcd
Q		1700	–	2400	
R		2400	–	3400	
S		3400	–	4800	

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

Intensity Measured : 0.01sr(CIE. LED_B)

■ Precautions On LED using

* To avoid optical difference, Please do not mix differently-ranked product.

■ Characteristic Diagrams

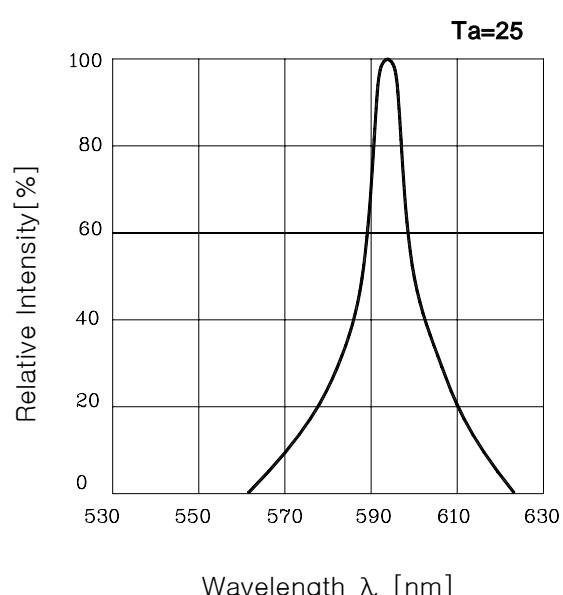
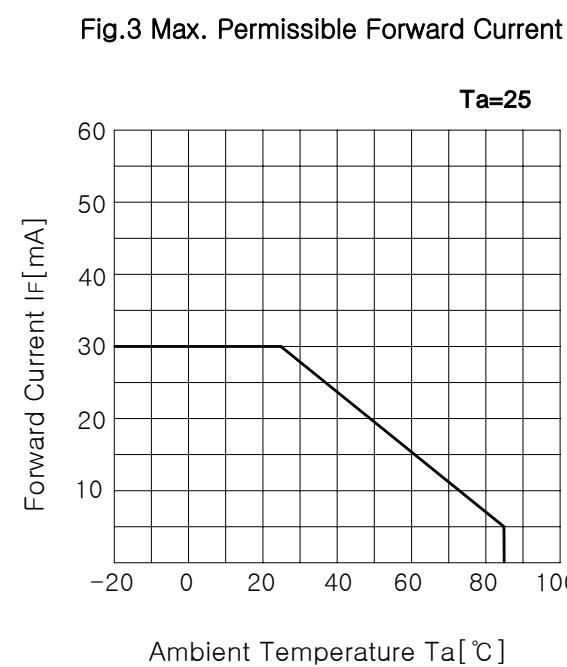
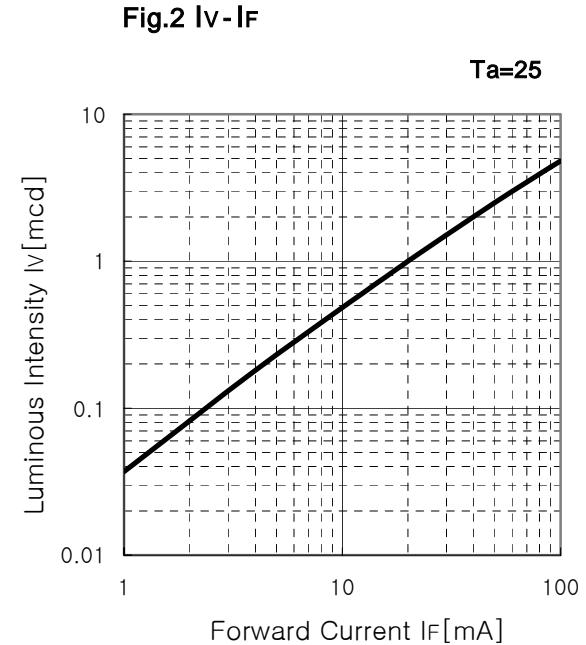
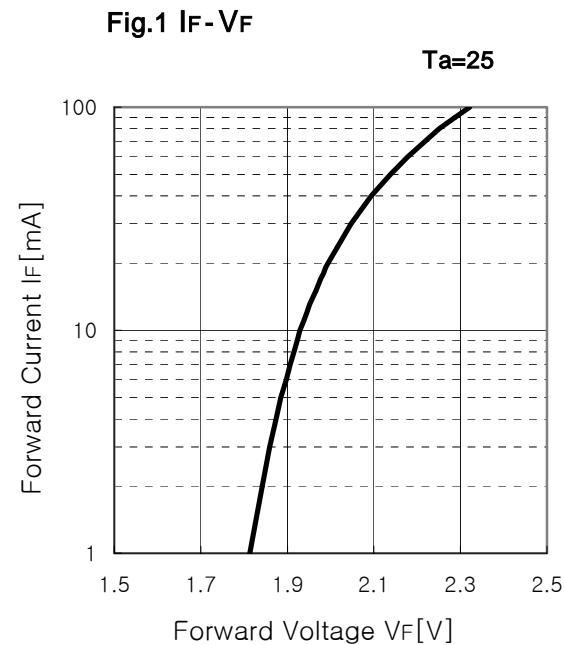
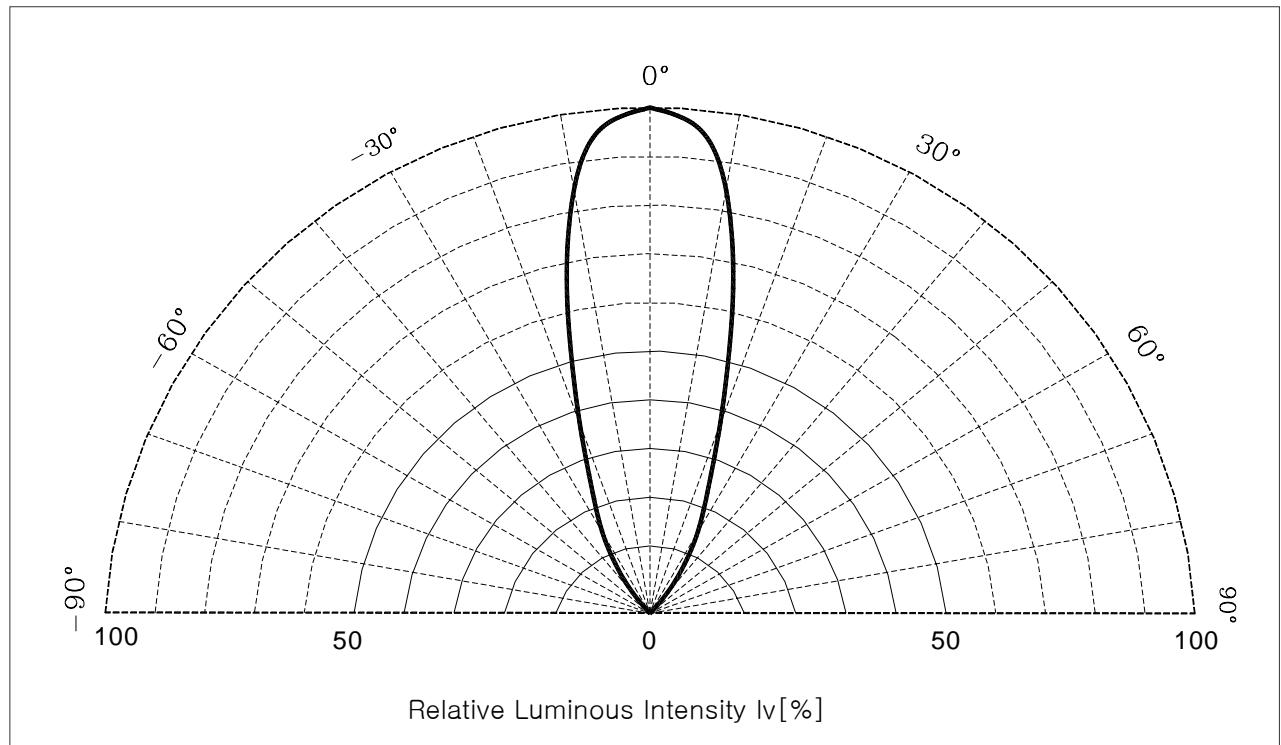


Fig. 5 Radiation Diagram

■ 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	