

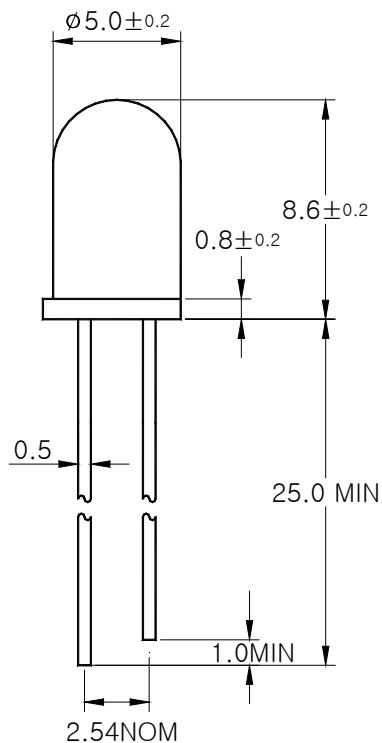
Features

- Red colored diffusion lens type
- $\phi 5\text{mm}(\text{T}-1\frac{3}{4})$ all plastic mold type
- Available on tape and reel

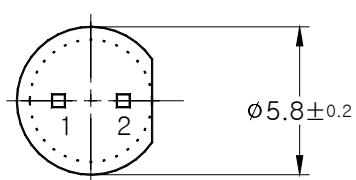
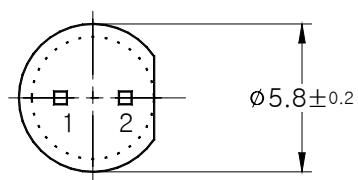
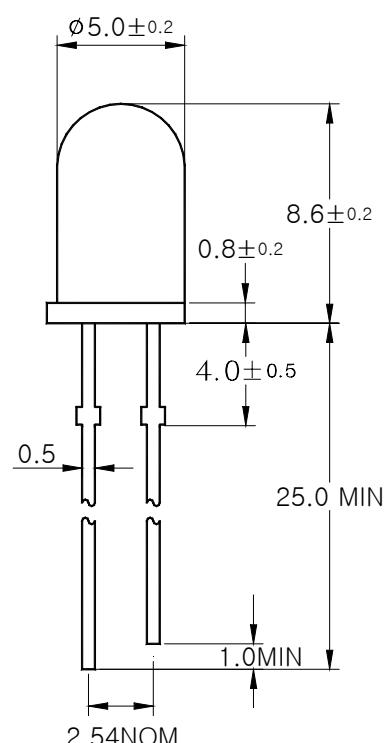
Outline Dimensions

unit : mm

STRAIGHT TYPE



STOPPER TYPE



PIN Connections

1. Anode
2. Cathode

Absolute maximum ratings

Characteristic	Symbol	Ratings	Unit
Power Dissipation	P _D	23	mW
Forward Current	I _F	10	mA
* ¹ Peak Forward Current	I _{FP}	50	mA
Reverse Voltage	V _R	4	V
Operating Temperature	T _{opr}	-25~85	°C
Storage Temperature	T _{stg}	-30~100	°C
* ² Soldering Temperature	T _{sol}	260°C for 5 seconds	

*1.Duty ratio = 1/16, Pulse width = 0.1ms

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

Electrical Characteristics

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F = 5mA	-	1.9	2.3	V
Luminous Intensity	I _V	I _F = 5mA	2	5	-	mcd
Peak Wavelength	λ _P	I _F = 5mA	-	700	-	nm
Spectrum Bandwidth	Δ λ	I _F = 5mA	-	100	-	nm
Reverse Current	I _R	V _R =4V	-	-	10	uA
* ³ Half angle	θ _{1/2}	I _F = 5mA	-	±20	-	deg

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

Characteristic Diagrams

Fig. 1 $I_F - V_F$

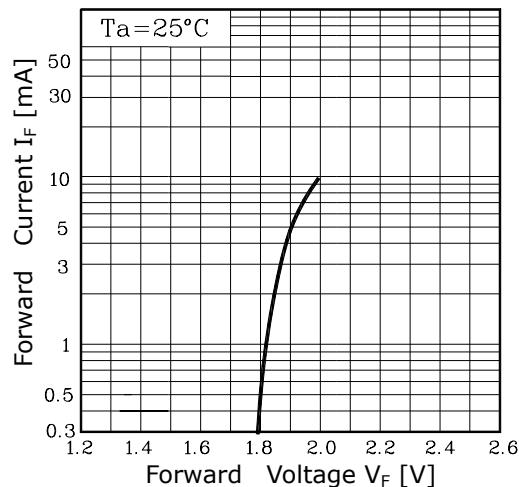


Fig. 2 $I_V - I_F$

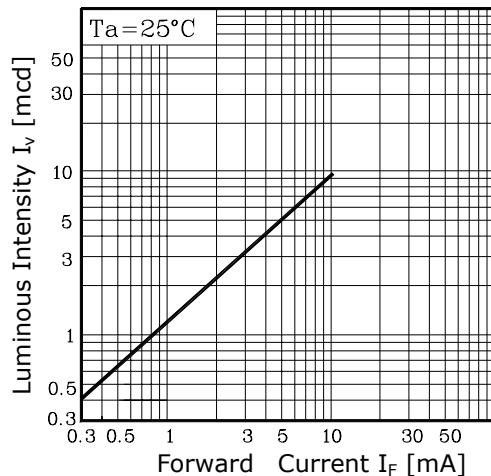


Fig. 3 $I_F - T_a$

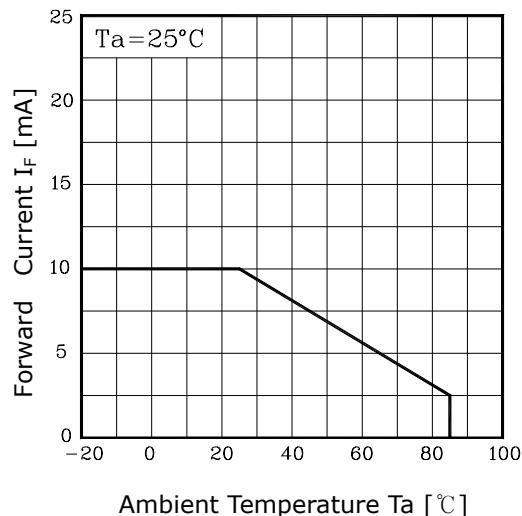


Fig. 4 Spectrum Distribution

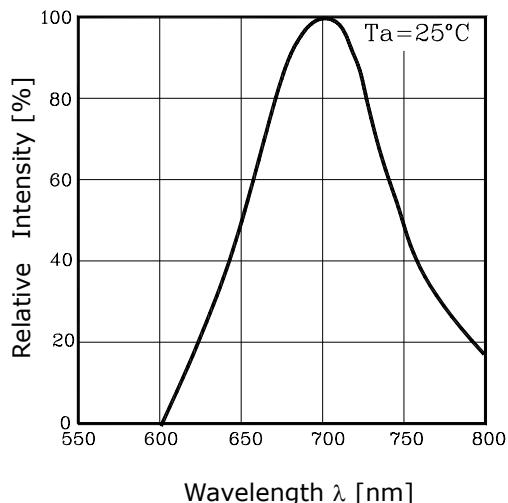


Fig. 5 Radiation Diagram

