SR3317-H / SR3317-H(B)

LED Lamp

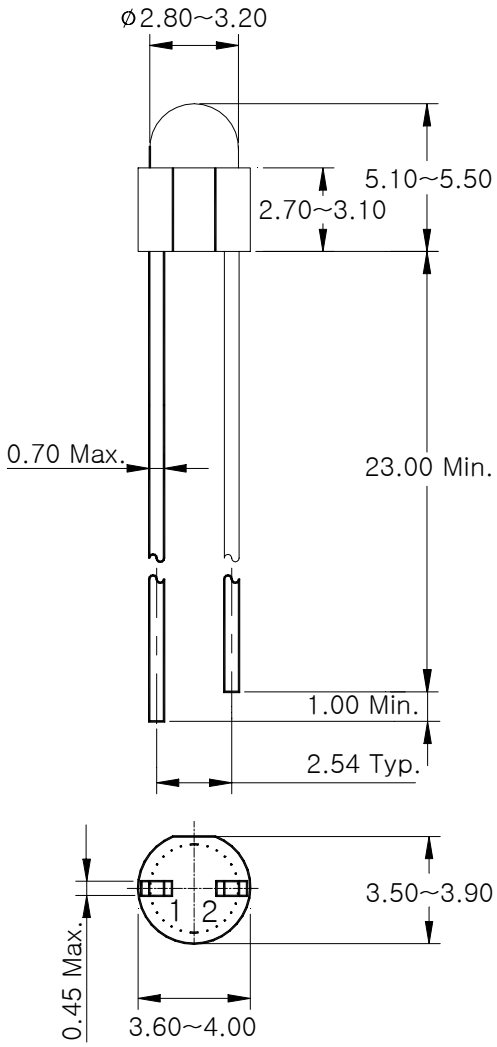
Features

- Colorless transparency lens type
- ϕ3mm(T-1) all plastic mold type
- High luminosity

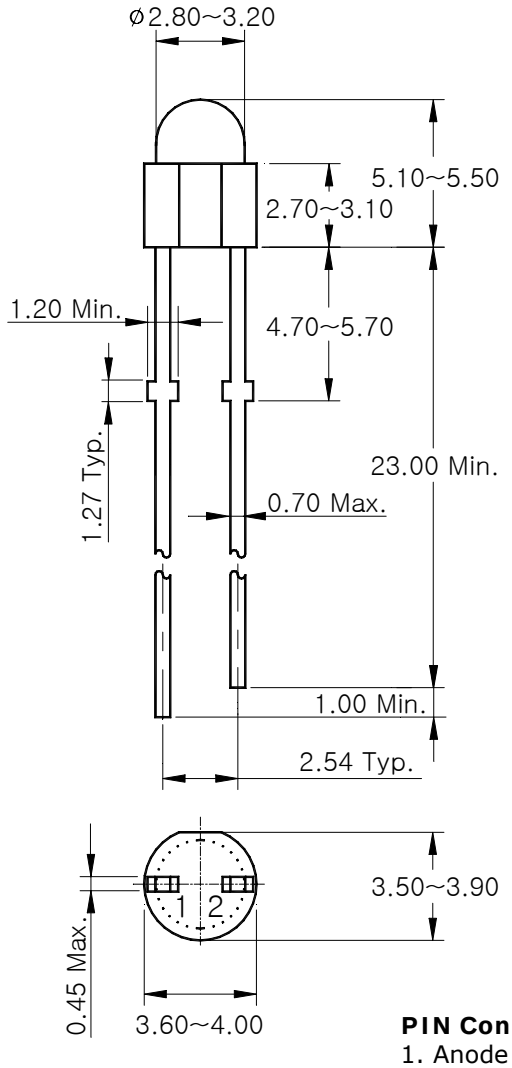
Outline Dimensions

unit : mm

STRAIGHT TYPE



STOPPER TYPE : (B)



PIN Connections
1. Anode
2. Cathode

Absolute Maximum Ratings

(Ta=25°C)

Characteristic	Symbol	Rating	Unit
Power dissipation	P_D	70	mW
Forward current	I_F	30	mA
*[1]Peak forward current	I_{FP}	50	mA
Reverse voltage	V_R	3	V
Operating temperature range	T_{opr}	-25～85	°C
Storage temperature range	T_{stg}	-30～100	°C
*[2]Soldering temperature	T_{sol}	260°C for 10 seconds	

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

*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	-	2.0	2.5	V
*[4]Luminous intensity	I_V	I_F= 20mA	43	-	155	mcd
Peak wavelength	λ_P	I_F= 20mA	-	660	-	nm
Spectrum bandwidth	$\Delta\lambda$	I_F= 20mA	-	20	-	nm
Reverse current	I_R	V_R=4V	-	-	10	uA
*[4]Half angle	$\theta 1/2$	I_F= 20mA	-	±22	-	deg

*4. $\theta 1/2$ is the off-axis angle where the luminous intensity is 1/2 the peak intensity

*3. Luminous intensity maximum tolerance for each grade classification limit is ±18%

*3. Luminous Intensity Classification

J	K	L
43 ~ 68	68 ~ 100	100 ~ 155

Characteristic Diagrams

Fig. 1 I_F - V_F

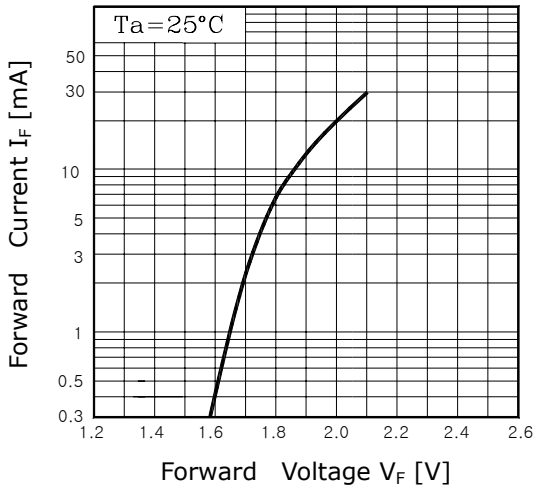


Fig. 2 I_V - I_F

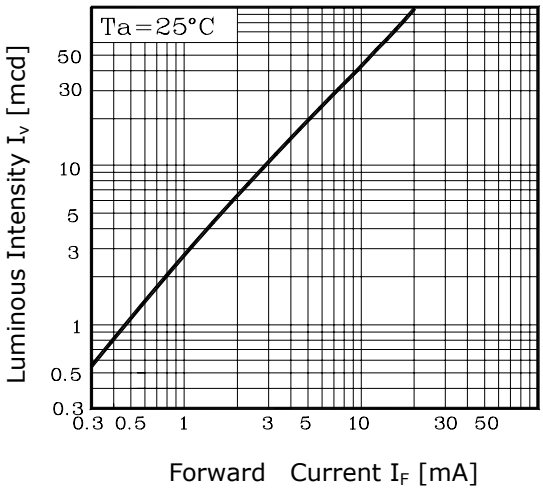


Fig. 3 I_F – Ta

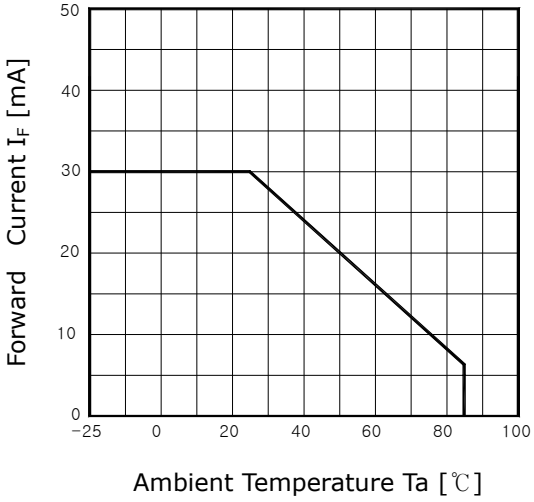


Fig.4 Spectrum Distribution

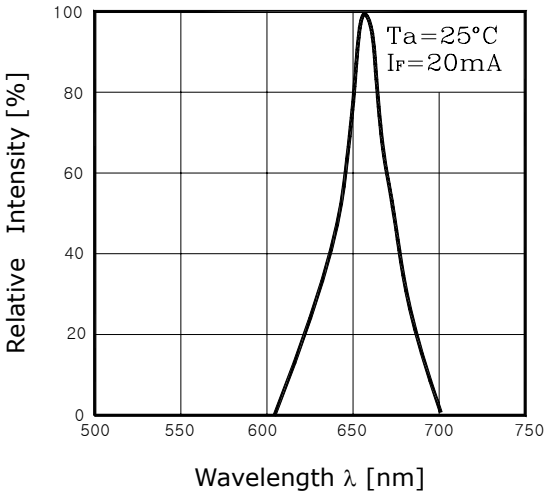
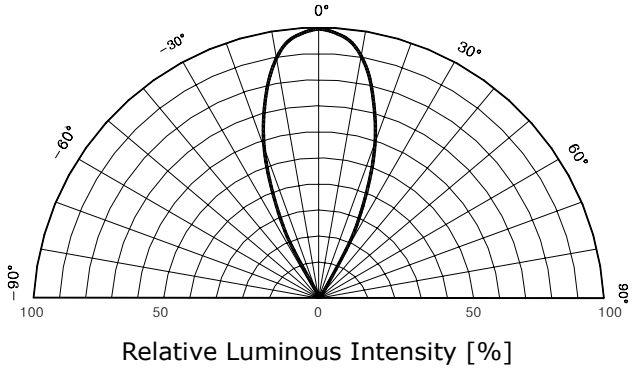


Fig. 5 Radiation Diagram



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