

Features

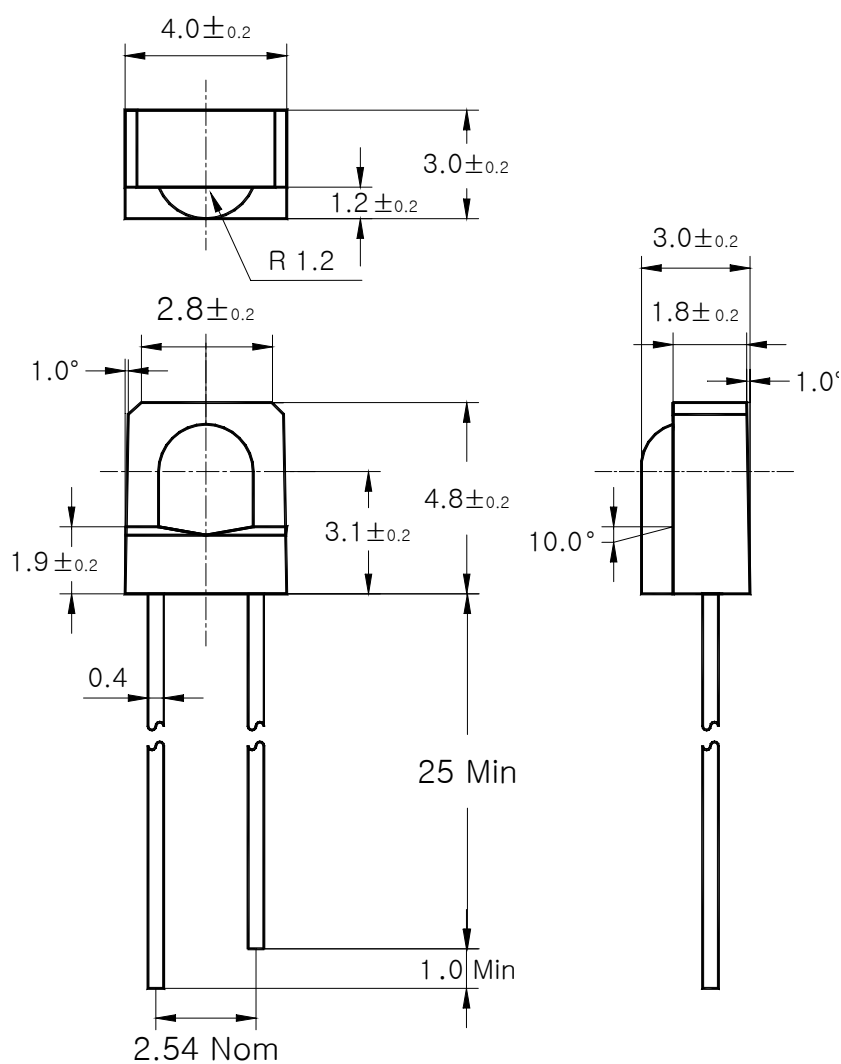
- Yellow colored transparency lens type
- Side view package (4.0mm × 4.8mm)
- Thin lead frame (Thickness : 0.4mm)

Application

- Backlighting lamp (Car audio etc.)
- Indicator lamp (Monitor, CD-ROM, Printer etc.)

Outline Dimensions

unit : mm



PIN Connections

1. Anode
2. Cathode

Absolute maximum ratings

Characteristic	Symbol	Ratings	Unit
Power Dissipation	P_D	65	mW
Forward Current	I_F	25	mA
*1Peak 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
*2Soldering Temperature	T_{sol}	260°C for 5 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 Characteristics

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20\text{mA}$	-	2.0	2.7	V
Radiant Intensity	I_E	$I_F = 20\text{mA}$	8	18	-	mcd
Peak Wavelength	λ_P	$I_F = 20\text{mA}$	-	585	-	nm
Spectrum Bandwidth	$\Delta \lambda$	$I_F = 20\text{mA}$	-	30	-	nm
Reverse Current	I_R	$V_R = 4\text{V}$	-	-	10	uA
Half Angle	$\theta_{1/2}$	$I_F = 20\text{mA}$	-	±18	-	deg

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

Characteristic Diagrams

Fig. 1 $I_F - V_F$

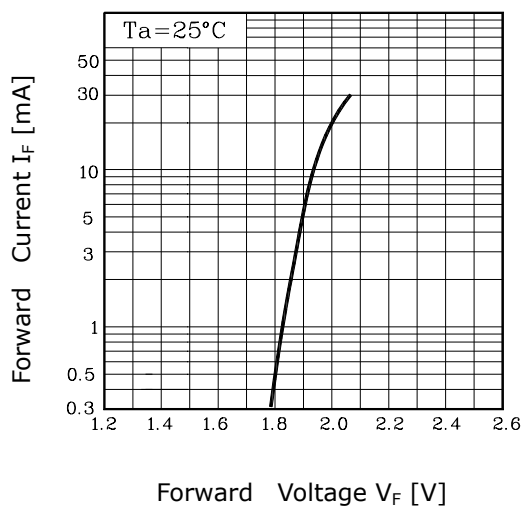


Fig. 2 $I_V - I_F$

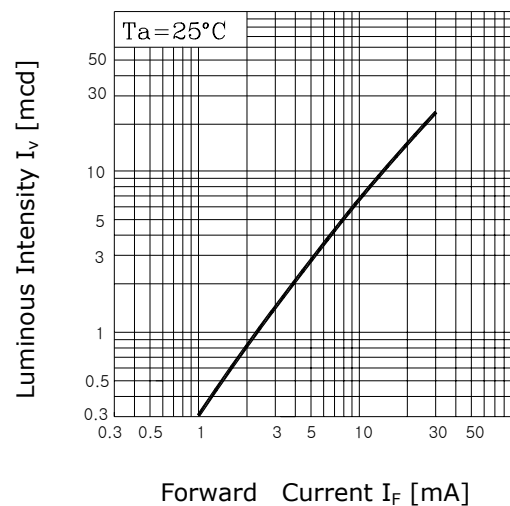


Fig. 3 $I_F - T_a$

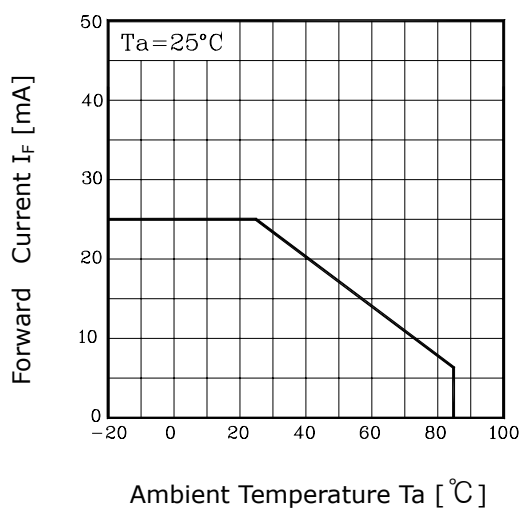


Fig.4 Spectrum Distribution

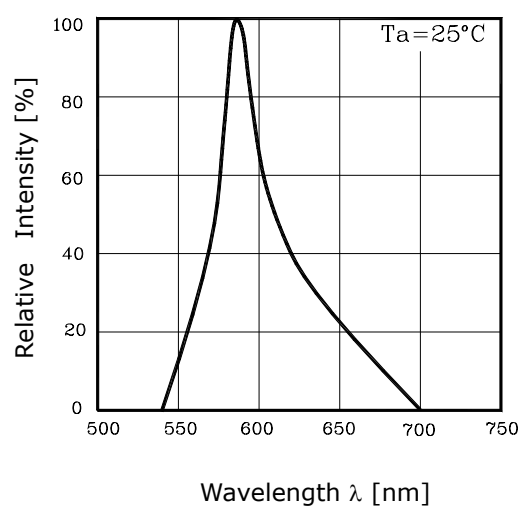


Fig. 5 Radiation Diagram

