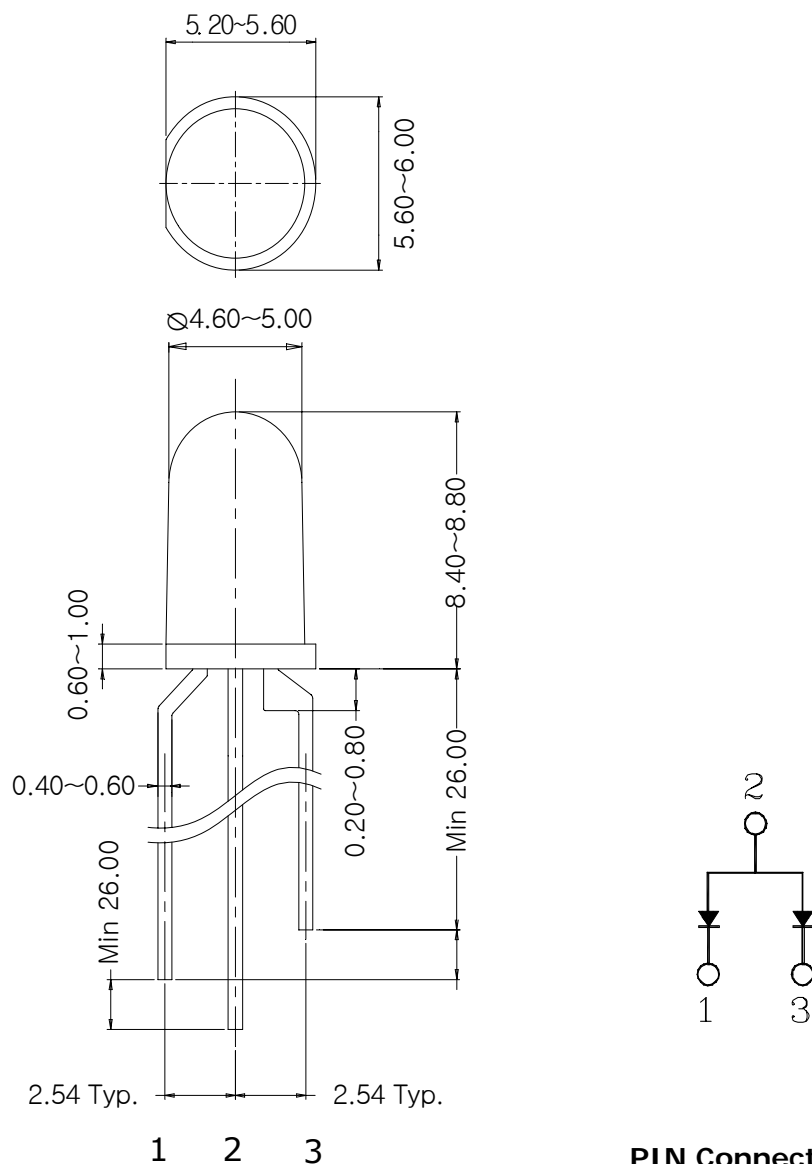


**Features**

- Colorless transparency lens type
- $\phi 5\text{mm}$ (T-13/4) all plastic mold type
- Radiation color (Red, Y-Green)
- Low power consumption

**Outline Dimensions**

**unit : mm**



**PIN Connections**

1. Cathode (Y-Green)
2. Common Anode
3. Cathode (Red)

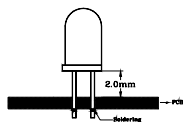
## Absolute Maximum Ratings

(Ta=25°C)

Characteristic	Symbol	Rating		Unit
		Red	Y-Green	
Power dissipation	$P_D$	75	75	mW
Forward current	$I_F$	30	30	mA
*1Peak forward current	$I_{FP}$	50	50	mA
Reverse voltage	$V_R$	4	4	V
Operating temperature range	$T_{opr}$	-25 ~ 85		°C
Storage temperature range	$T_{stg}$	-30 ~ 100		°C
*2Soldering 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	$V_F$	$I_F=20\text{mA}$	Red	-	2.0	2.5	V
			Y-Green	-	2.2	2.5	
Luminous intensity	$I_V$	$I_F=20\text{mA}$	Red	68	155	-	mcd
			Y-Green	27	68	-	
Peak wavelength	$\lambda_P$	$I_F=20\text{mA}$	Red	-	660	-	nm
			Y-Green	-	570	-	
Spectrum bandwidth	$\Delta\lambda$	$I_F=20\text{mA}$	Red	-	20	-	nm
			Y-Green	-	30	-	
Reverse current	$I_R$	$V_R=4\text{V}$	-	-	10	uA	
*3Half angle	$\theta_{1/2}$	$I_F=20\text{mA}$	-	±20	-	deg	

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

Characteristic Diagrams

Fig. 1  $I_F - V_F$

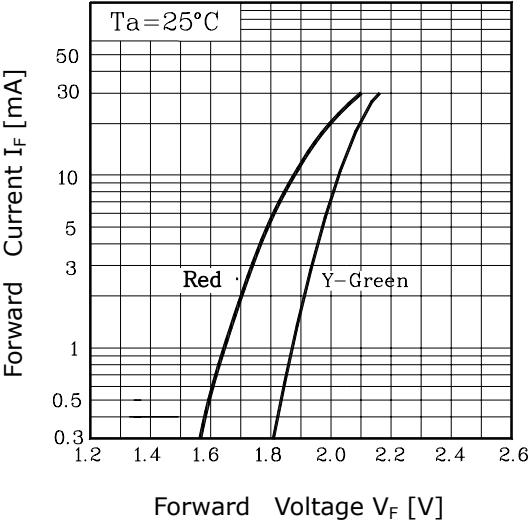


Fig. 2  $I_V - I_F$

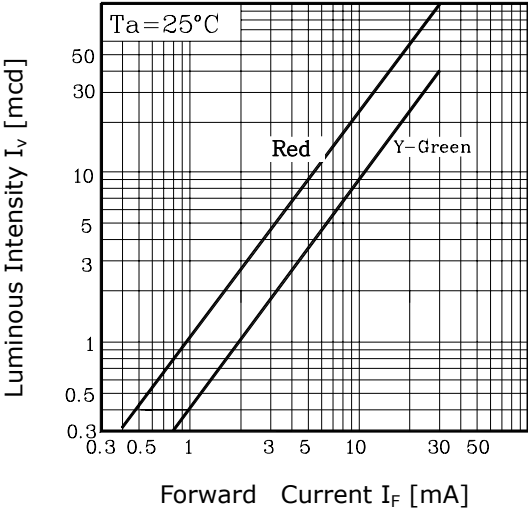


Fig. 3  $I_F - T_a$

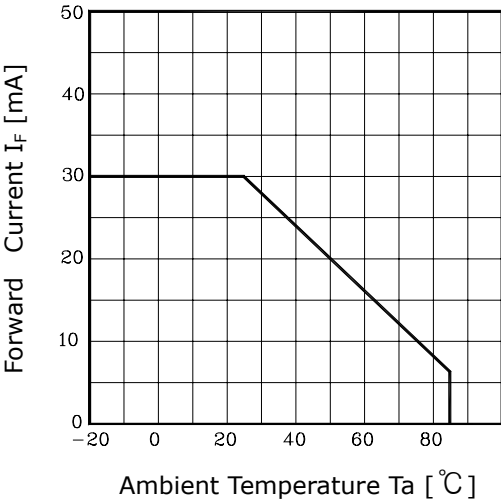


Fig.4 Spectrum Distribution

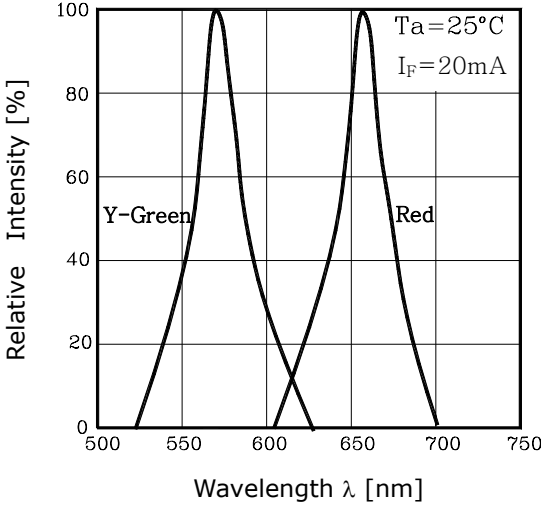
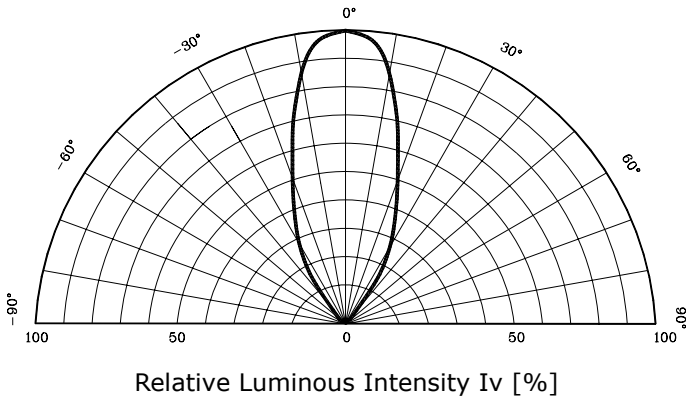


Fig. 5 Radiation Diagram



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