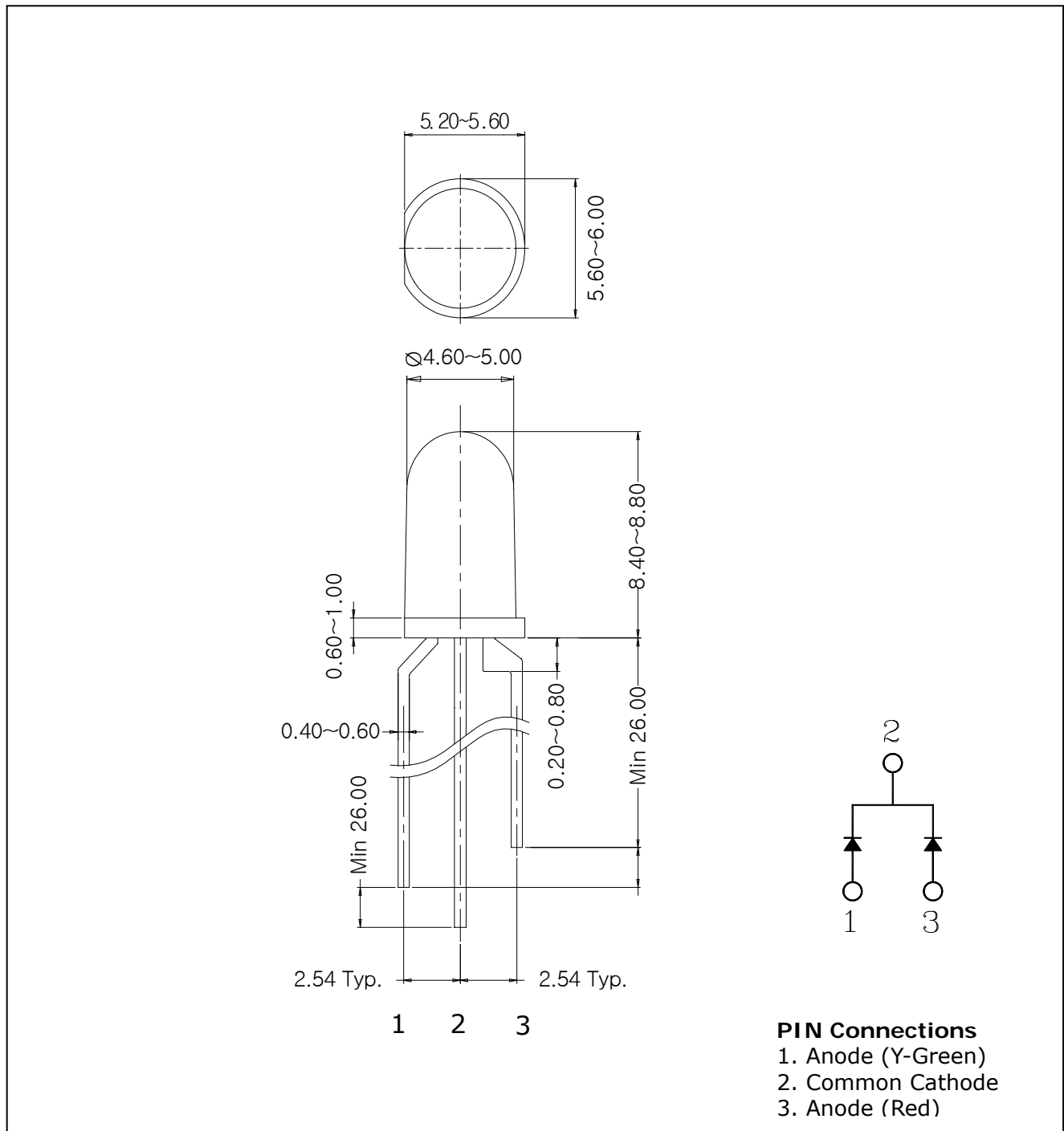


Features

- 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



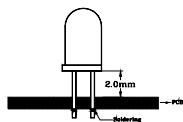
Absolute Maximum Ratings

(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	λ_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 $I_F - V_F$

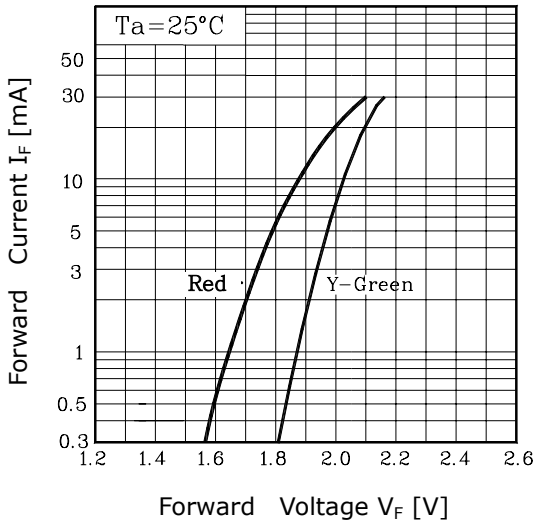


Fig. 2 $I_V - I_F$

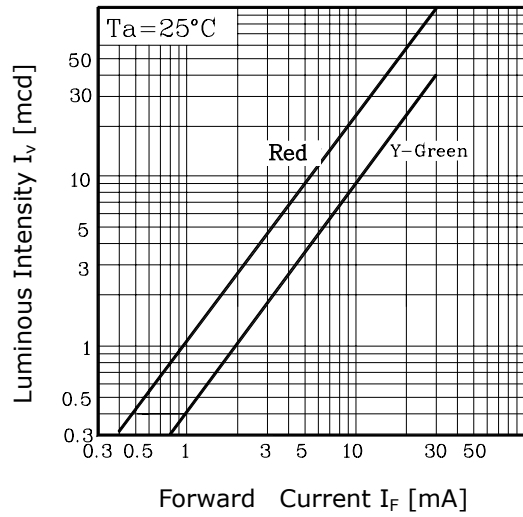


Fig. 3 $I_F - T_a$

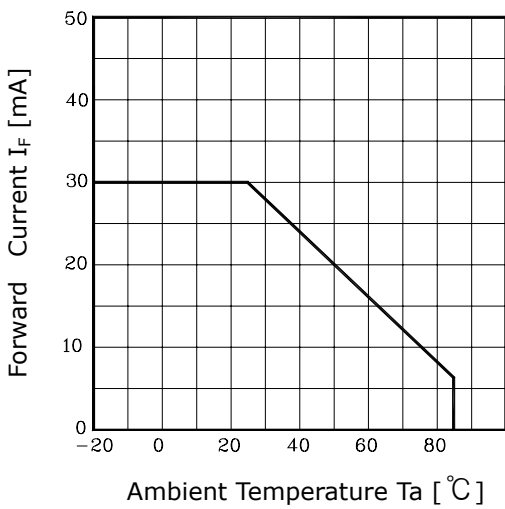


Fig. 4 Spectrum Distribution

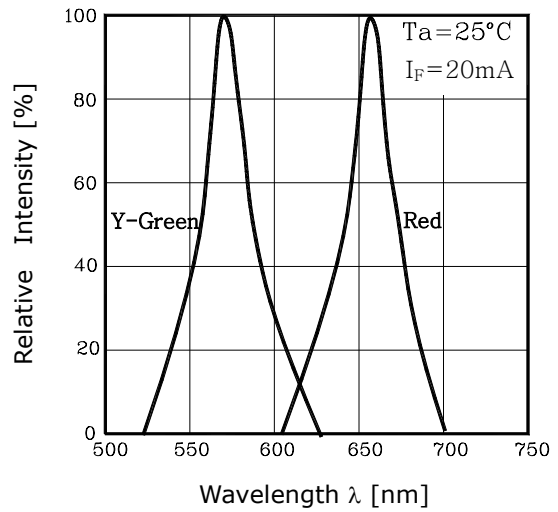
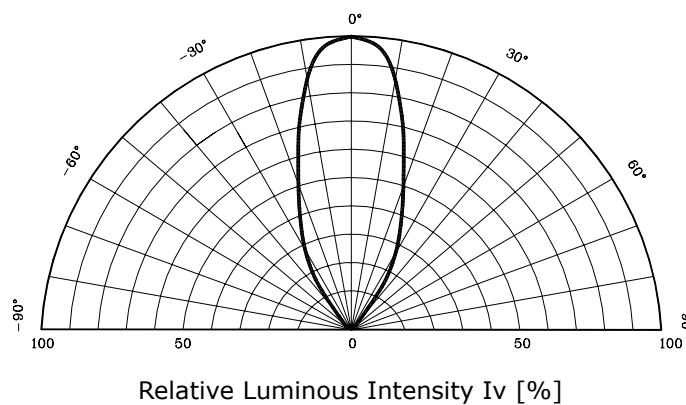


Fig. 5 Radiation Diagram



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