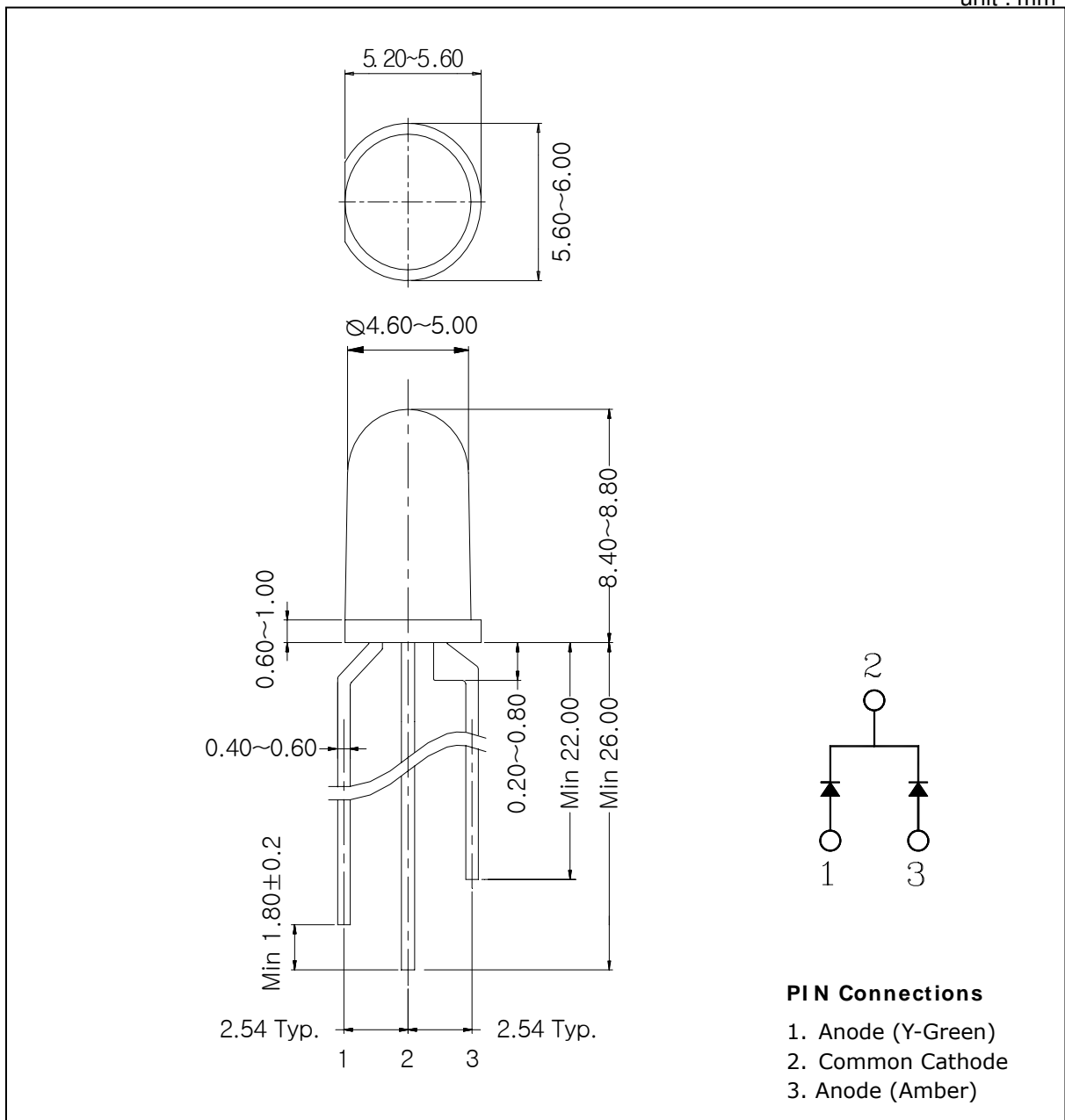


1. Features

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

2. Outline Dimensions

unit : mm



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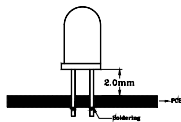
3. Absolute Maximum Ratings

(Ta=25°C)

Characteristic	Symbol	Rating		Unit
		Amber	Y-Green	
Power dissipation	P_D	75	75	mW
Forward current	I_F	30	30	mA
* ¹ Peak 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
* 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



4. Electrical / Optical Characteristics

(Ta=25°C)

Characteristic	Symbol		Test Condition	Min	Typ	Max	Unit
Forward voltage	V_F	Amber	$I_F = 20\text{mA}$	-	2.1	2.5	V
		Y-Green		-	2.0	2.5	
Luminous intensity	I_V	Amber	$I_F = 20\text{mA}$	25	60	-	mcd
		Y-Green		50	120	-	
Peak wavelength	λ_P	Amber	$I_F = 20\text{mA}$	-	630	-	nm
		Y-Green		-	570	-	
Spectrum bandwidth	Δ_λ	Amber	$I_F = 20\text{mA}$	-	35	-	nm
		Y-Green		-	30	-	
Reverse current	I_R		$V_R = 4\text{V}$	-	-	10	uA
* ³ Half 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

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5. Characteristic Diagrams

Fig. 1 $I_F - V_F$

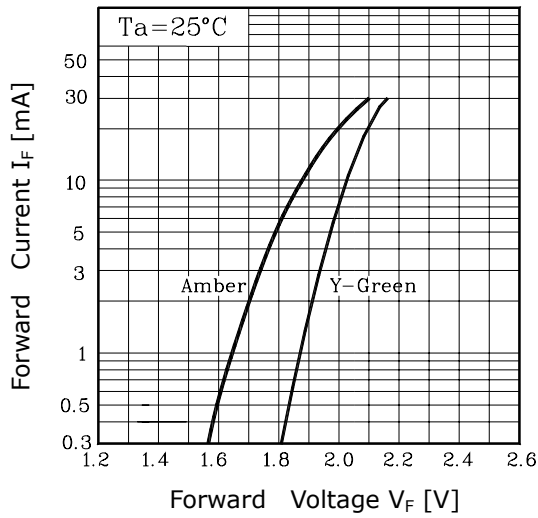


Fig. 2 $I_V - I_F$

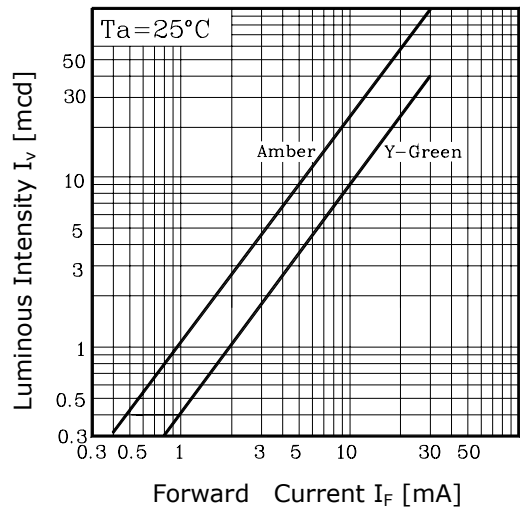


Fig. 3 $I_F - T_a$

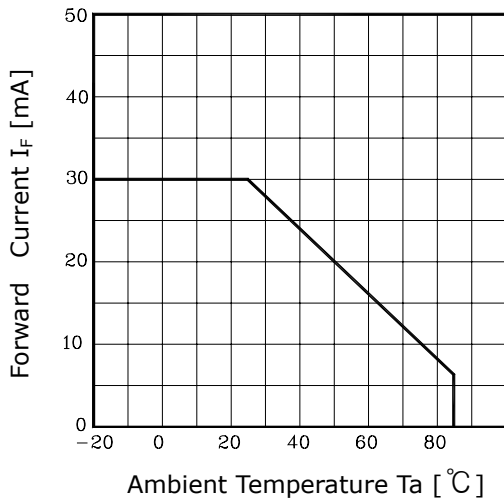


Fig.4 Spectrum Distribution

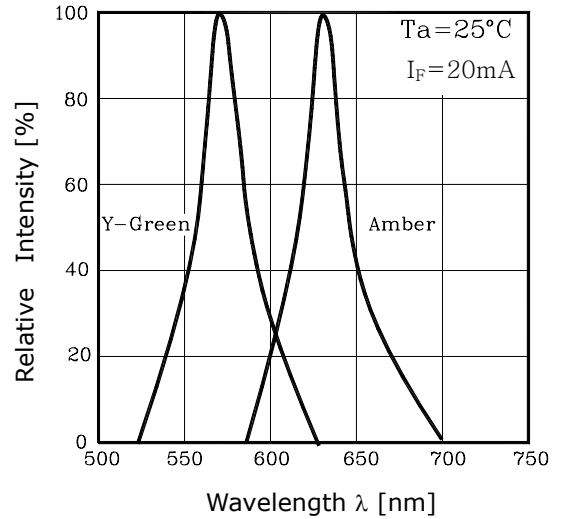
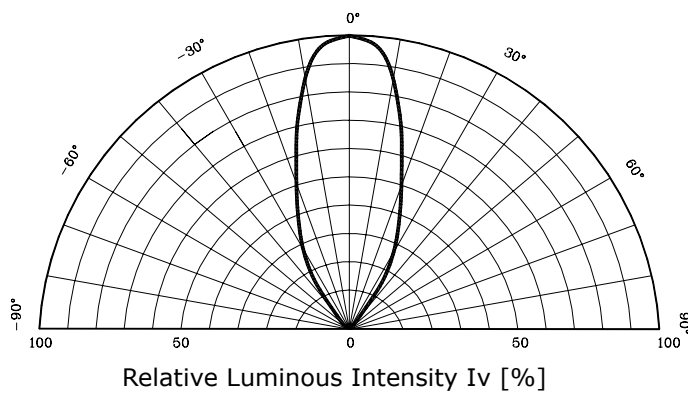


Fig. 5 Radiation Diagram



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