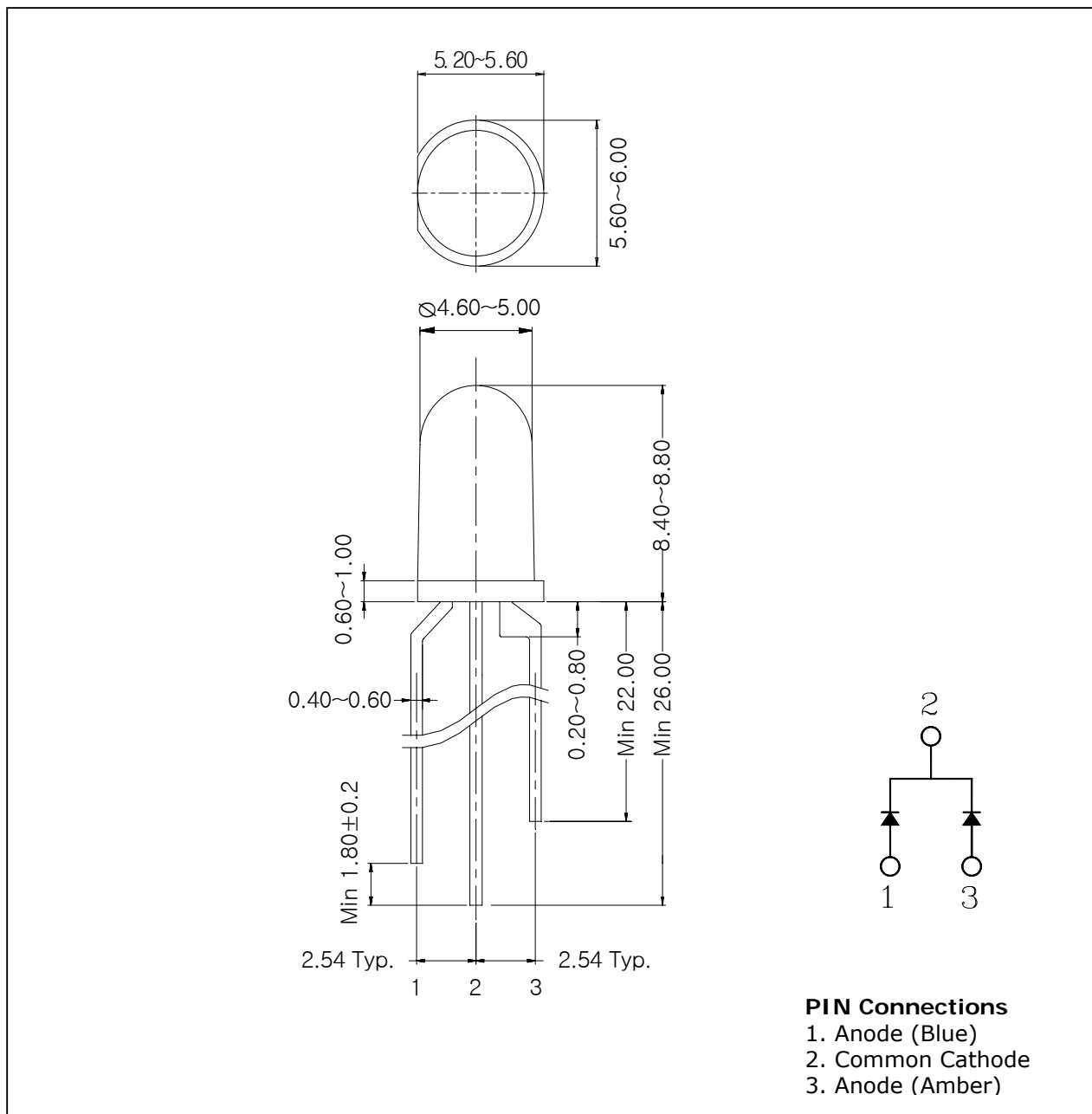


Features

- Milky Diffusion lens type
- $\phi 5\text{mm}$ (T-13/4) all plastic mold type
- Radiation color (Amber, Blue)
- Low power consumption

Outline Dimensions

unit : mm



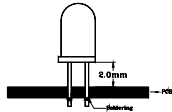
Absolute Maximum Ratings

(Ta=25°C)

Characteristic	Symbol	Rating		Unit
		Blue	Amber	
Power dissipation	P _D	85	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



Electrical / Optical Characteristics

(Ta=25°C)

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit	
Forward voltage	V _F	I _F = 20mA	Blue	-	3.5	4.2	V
			Amber	-	2.0	2.5	
* ³ Luminous intensity	I _v	I _F = 20mA	Blue	-	155	-	mcd
			Amber	-	155	-	
Peak wavelength	λ _p	I _F = 20mA	Blue	-	470	-	nm
			Amber	-	630	-	
Spectrum bandwidth	Δλ	I _F = 20mA	Blue	-	30	-	nm
			Amber	-	35	-	
Reverse current	I _R	V _R =4V	-	-	10	uA	
Half angle	θ _{1/2}	I _F = 20mA	-	±20	-	deg	

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

Characteristic Diagrams

Fig. 1 $I_F - V_F$

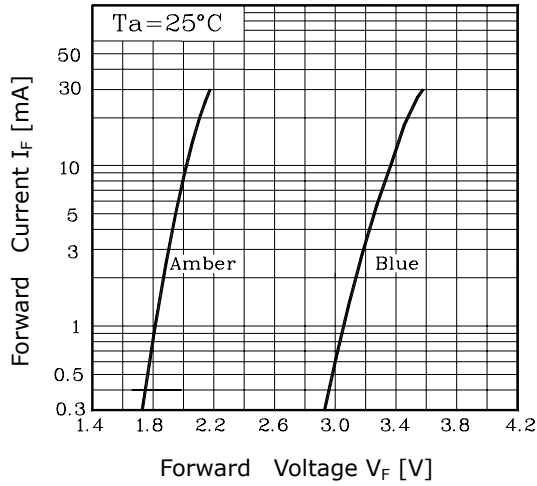


Fig. 2 $I_V - I_F$

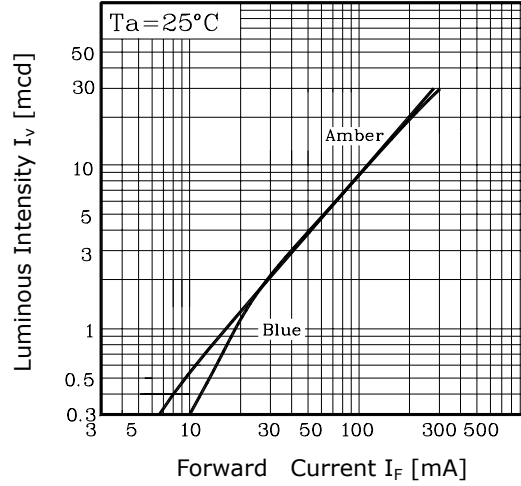


Fig. 3 $I_F - T_a$

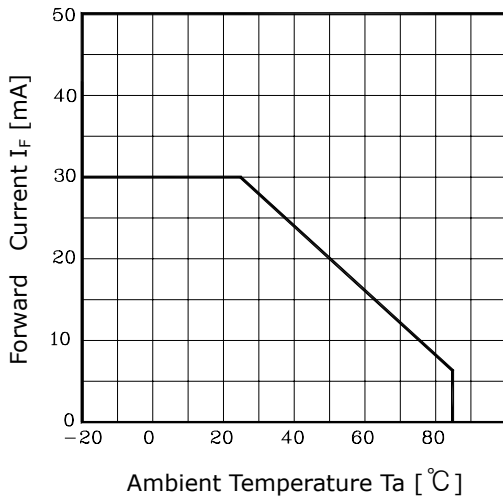


Fig. 4 Spectrum Distribution

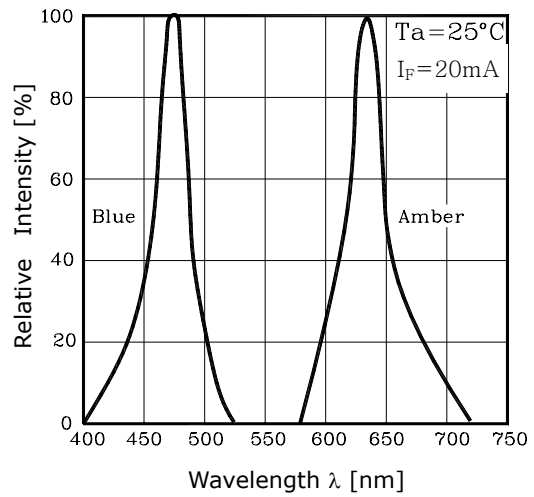
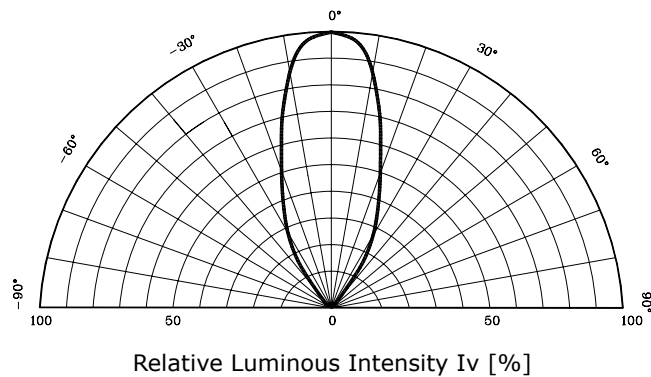


Fig. 5 Radiation Diagram



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