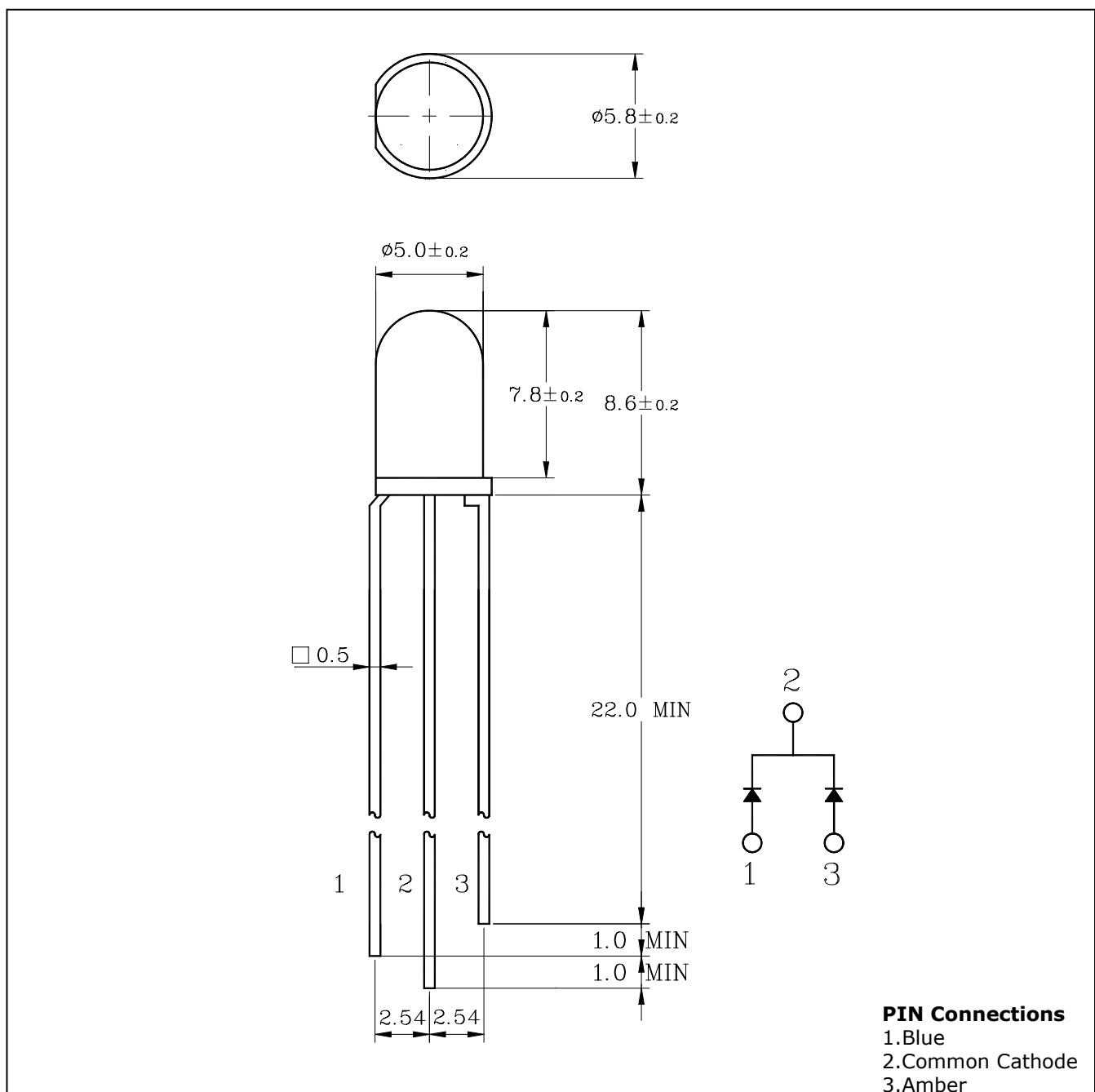


**Features**

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

**Outline Dimensions**

**unit : mm**

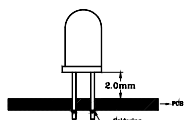


## Absolute maximum ratings

Characteristic	Symbol	Ratings	Unit
Power Dissipation	$P_D$	85	mW
Forward Current	$I_F$	30	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	$V_F$	$I_F = 20\text{mA}$	Blue	3.3	3.7	V
			Amber	1.8	2.3	
*3Luminous Intensity	$I_V$	$I_F = 20\text{mA}$	Blue	200	-	mcd
			Amber	200	-	
Peak Wavelength	$\lambda_p$	$I_F = 20\text{mA}$	Blue	470	-	nm
			Amber	630	-	
Spectrum Bandwidth	$\Delta \lambda$	$I_F = 20\text{mA}$	Blue	30	-	nm
			Amber	35	-	
Reverse Current	$I_R$	$V_R = 4\text{V}$	-	-	10	uA
Half angle	$\theta_{1/2}$	$I_F = 20\text{mA}$	-	$\pm 20$	-	deg

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

Fig. 1  $I_F - V_F$

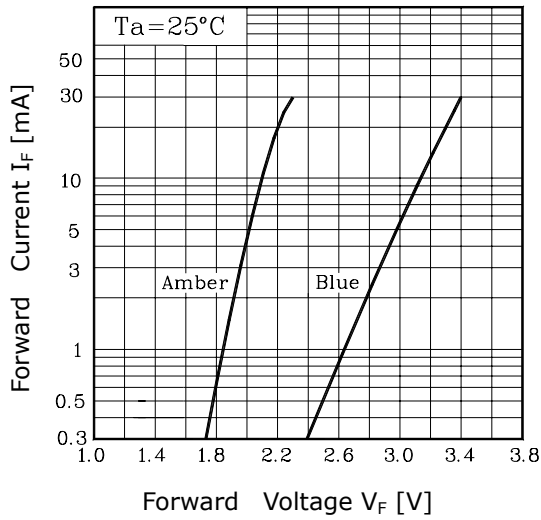


Fig. 2  $I_V - I_F$

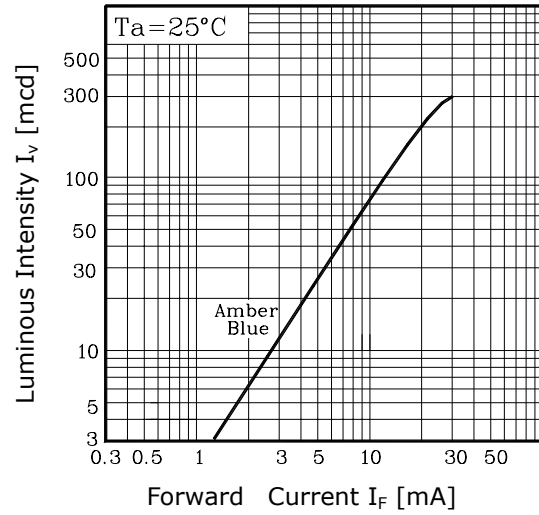


Fig. 3  $I_F - T_a$

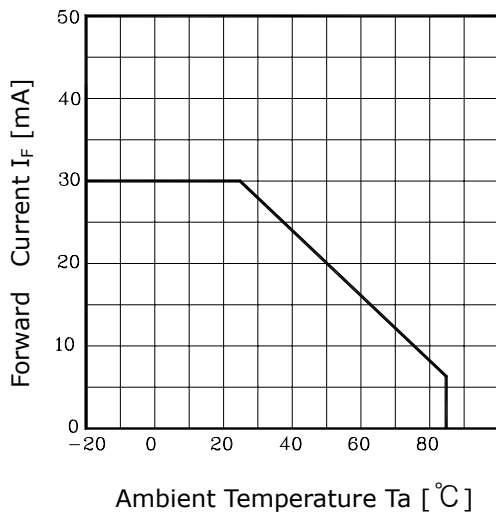


Fig. 4 Spectrum Distribution

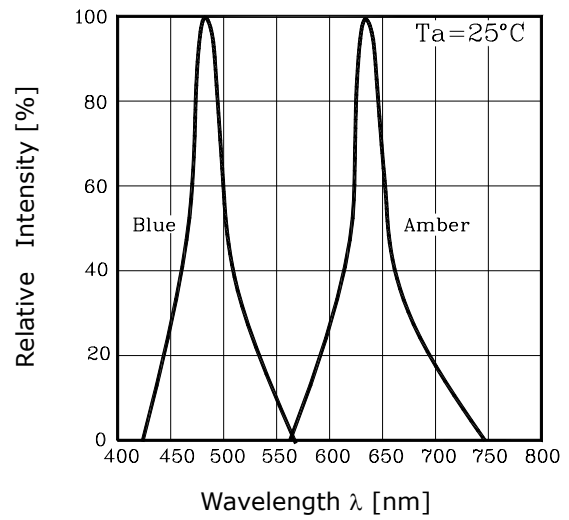
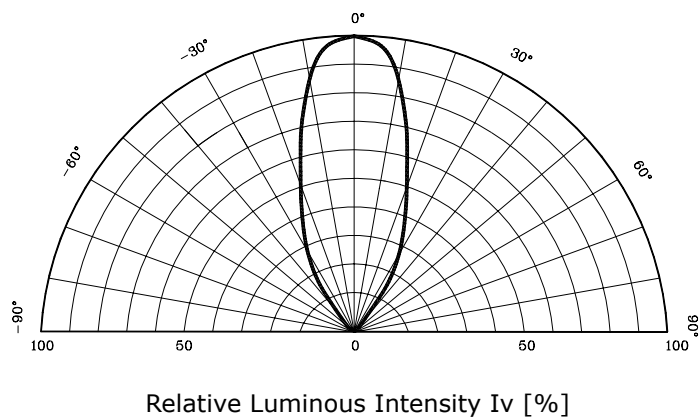


Fig. 5 Radiation Diagram



**These AUK products are intended for usage in general electronic equipments(Office and communication equipment, measuring equipment, domestic electrification, etc.).**

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