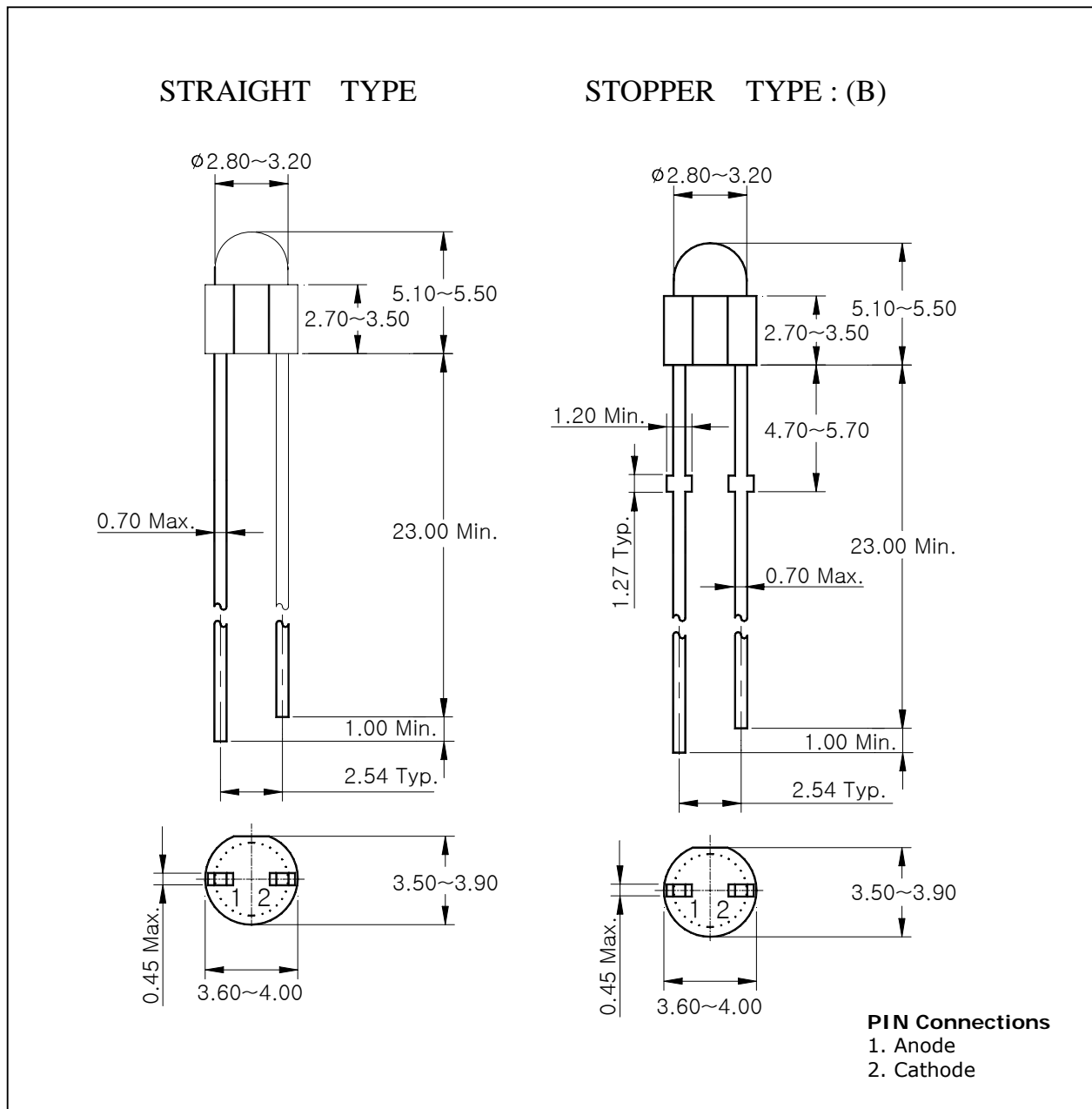


**Features**

- Green colored transparency lens type
- $\phi 3\text{mm}$ (T-1) all plastic mold type
- Low power consumption

**Outline Dimensions**

**unit : mm**



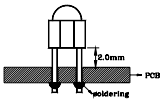
## Absolute Maximum Ratings

(Ta=25°C)

Characteristic	Symbol	Rating	Unit
Power dissipation	$P_D$	70	mW
Forward current	$I_F$	30	mA
*1Peak forward current	$I_{FP}$	50	mA
Reverse voltage	$V_R$	4	V
Operating temperature range	$T_{opr}$	-30~85	°C
Storage temperature range	$T_{stg}$	-40~100	°C
*2Soldering temperature	$T_{sol}$	260°C for 10 seconds	

\*1.Duty ratio = 1/10, 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	$V_F$	$I_F=20\text{mA}$	2.0	-	2.4	V
*3Luminous intensity	$I_V$	$I_F=20\text{mA}$	43	-	155	mcd
Dominant wavelength	$\lambda_D$	$I_F=20\text{mA}$	565	568	571	nm
Spectrum bandwidth	$\Delta\lambda$	$I_F=20\text{mA}$	-	30	-	nm
Reverse current	$I_R$	$V_R=4\text{V}$	-	-	10	uA
*4Half angle	$\theta_{1/2}$	$I_F=20\text{mA}$	-	$\pm 22$	-	deg

\*3. Luminous intensity maximum tolerance for each grade classification limit is  $\pm 18\%$

(The test result of  $I_F=20\text{mA}$  is only for reference)

\*4. Dominant wavelength is derived from the CIE1931 Chromaticity diagram

A tolerance of  $\pm 0.5\text{nm}$  for dominant wavelength

\*5.  $\theta_{1/2}$  is the off-axis angle where the luminous intensity is 1/2 the peak intensity

•  $V_F / I_V / \lambda_D$  Grade Classification (Ta=25°C)

Test Condition @ $I_F=20\text{mA}$		
Forward Voltage [V]	Luminous Intensity [mcd]	Dominant Wavelength [nm]
1 : 2.0~2.2	J : 43~68	a : 565~568
	K : 68~100	
2 : 2.2~2.4	L : 100~155	b : 568~571

(Do not use to combine grade classification. It must be used separately grade classification)

Characteristic Diagrams

Fig. 1  $I_F - V_F$

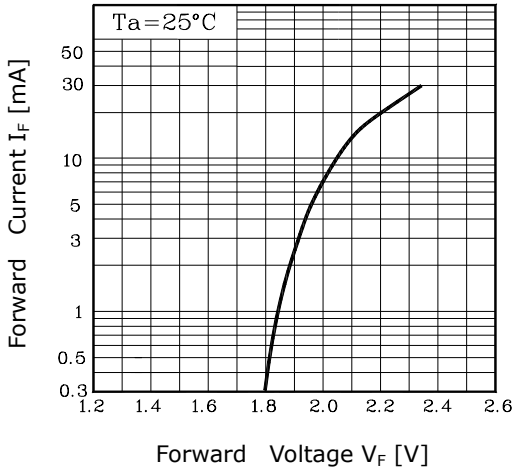


Fig. 2  $I_V - I_F$

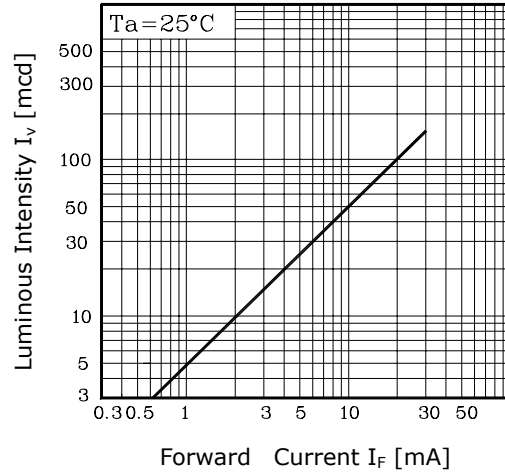


Fig. 3  $I_F - T_a$

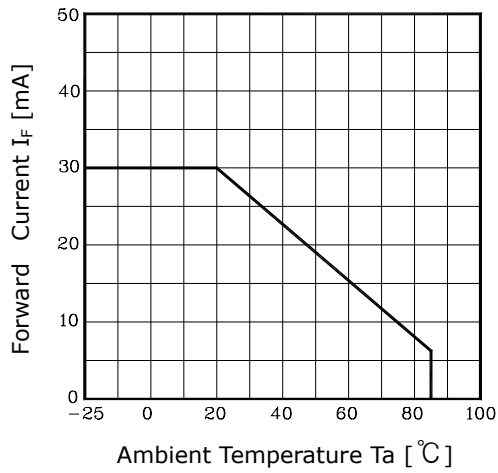


Fig.4 Spectrum Distribution

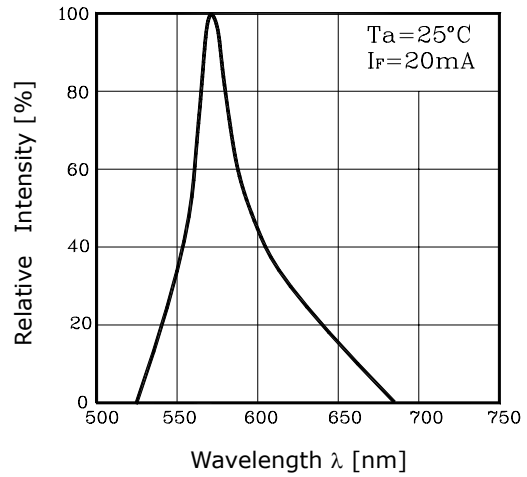
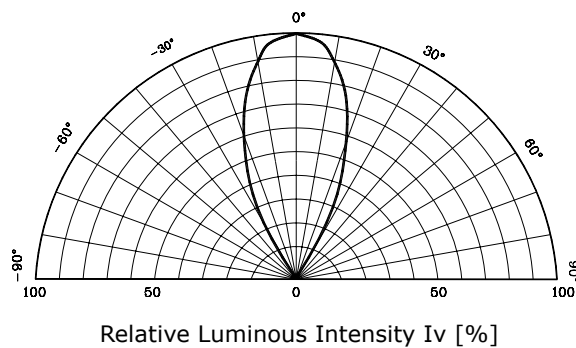


Fig. 5 Radiation Diagram



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