

**Features**

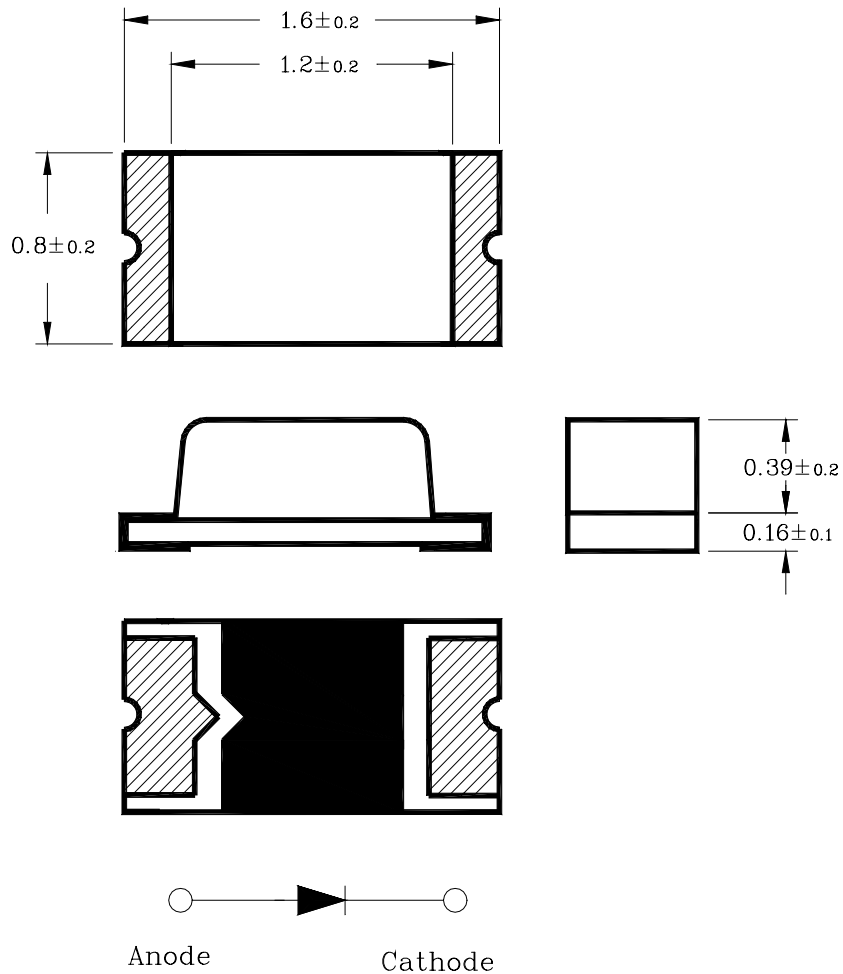
- 1.6mm(L)×0.8mm small size surface mount type
- Thin package of 0.55mm(H) thickness
- Transparent clear lens optic
- Low power consumption type chip led

**Applications**

- LCD backlighting
- Keypad backlighting
- Symbol backlighting
- Front panel indicator lamp

**Outline Dimensions**

unit : mm

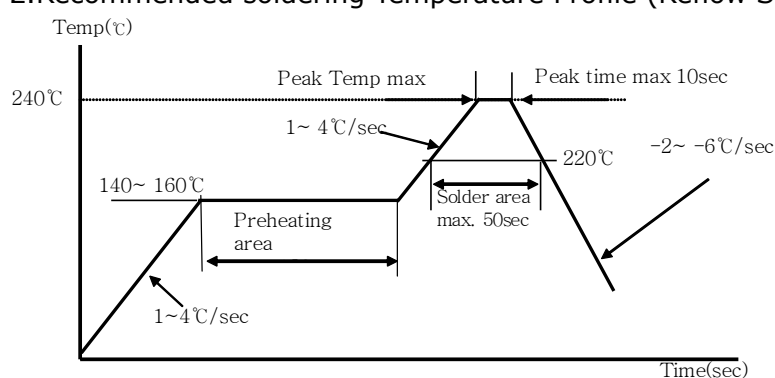


## Absolute maximum ratings

Characteristic	Symbol	Ratings	Unit
Power Dissipation	$P_D$	70	mW
Forward Current	$I_F$	25	mA
*1 Peak Forward Current	$I_{FP}$	50	mA
Reverse Voltage	$V_R$	4	V
Operating Temperature	$T_{opr}$	-25 ~ 80	°C
Storage Temperature	$T_{stg}$	-30 ~ 100	°C
*2 Soldering Temperature	$T_{sol}$	240°C for 5 seconds	

\*1. Duty ratio = 1/16, Pulse width = 0.1ms

\*2. Recommended soldering Temperature Profile (Reflow Soldering)



## Electrical Characteristics

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F = 10\text{mA}$	-	2.0	2.6	V
*4 Luminous Intensity	$I_V$	$I_F = 10\text{mA}$	6.6	15	27	mcd
*5 Peak Wavelength	$\lambda_p$	$I_F = 10\text{mA}$	-	572	-	nm
Spectrum Bandwidth	$\Delta \lambda$	$I_F = 10\text{mA}$	-	30	-	nm
Reverse Current	$I_R$	$V_R = 4\text{V}$	-	-	10	uA
*3 Half angle	$\theta_{1/2}$	$I_F = 10\text{mA}$	-	±65	-	deg
	X Y		-	±70	-	

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

\*4. Luminous Intensity Maximum tolerance for each Grade Classification limit is ±18%

\*4. Luminous Intensity classification

F	G	H
6.6~10	10~17	17~27

\*5. Peak Wavelength Maximum tolerance for each Grade Classification limit is ±1nm

\*5. Peak Wavelength classification

a	b	c
569~572	573~575	576~578

Characteristic Diagrams

Fig. 1  $I_F - V_F$

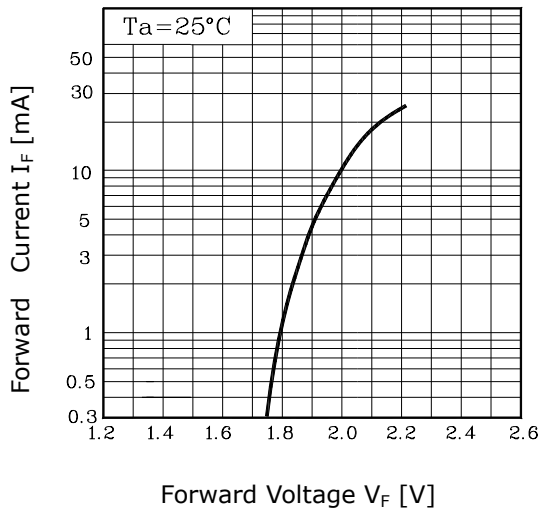


Fig. 2  $I_V - I_F$

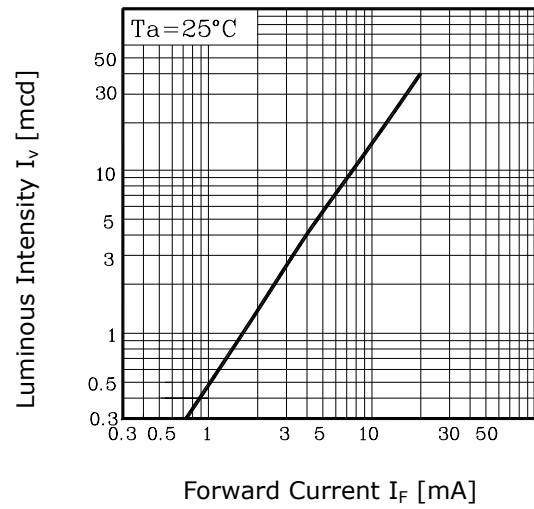


Fig. 3  $I_F - T_a$

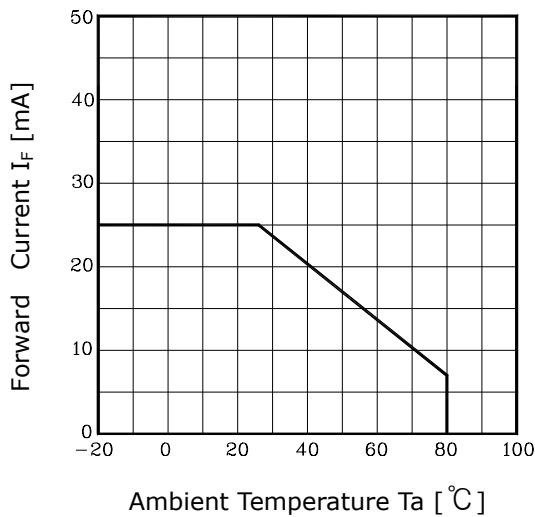


Fig.4 Spectrum Distribution

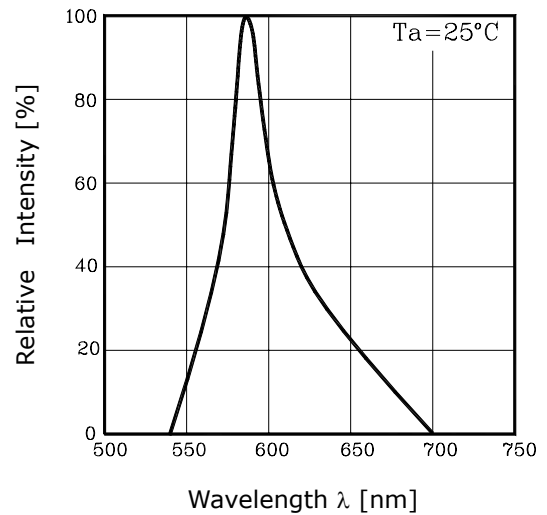


Fig. 5-1 Radiation Diagram(X)

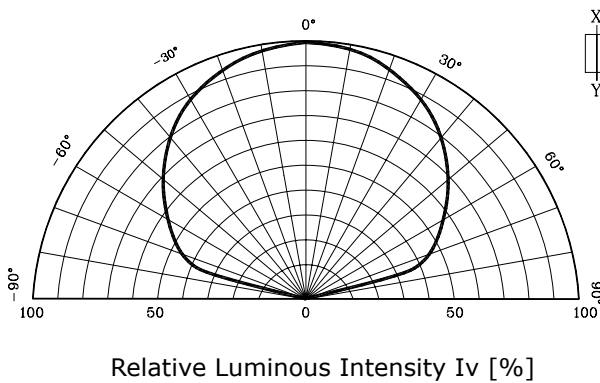
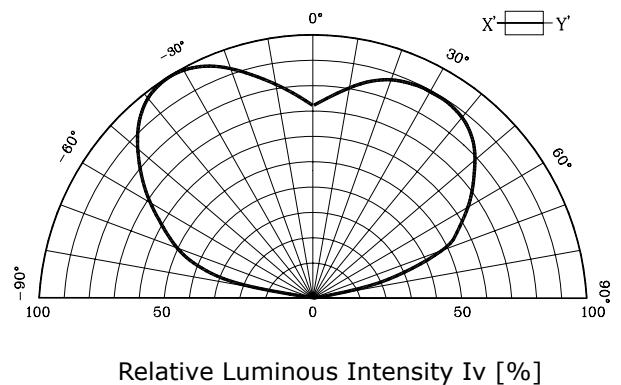


Fig. 5-2 Radiation Diagram(Y)



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