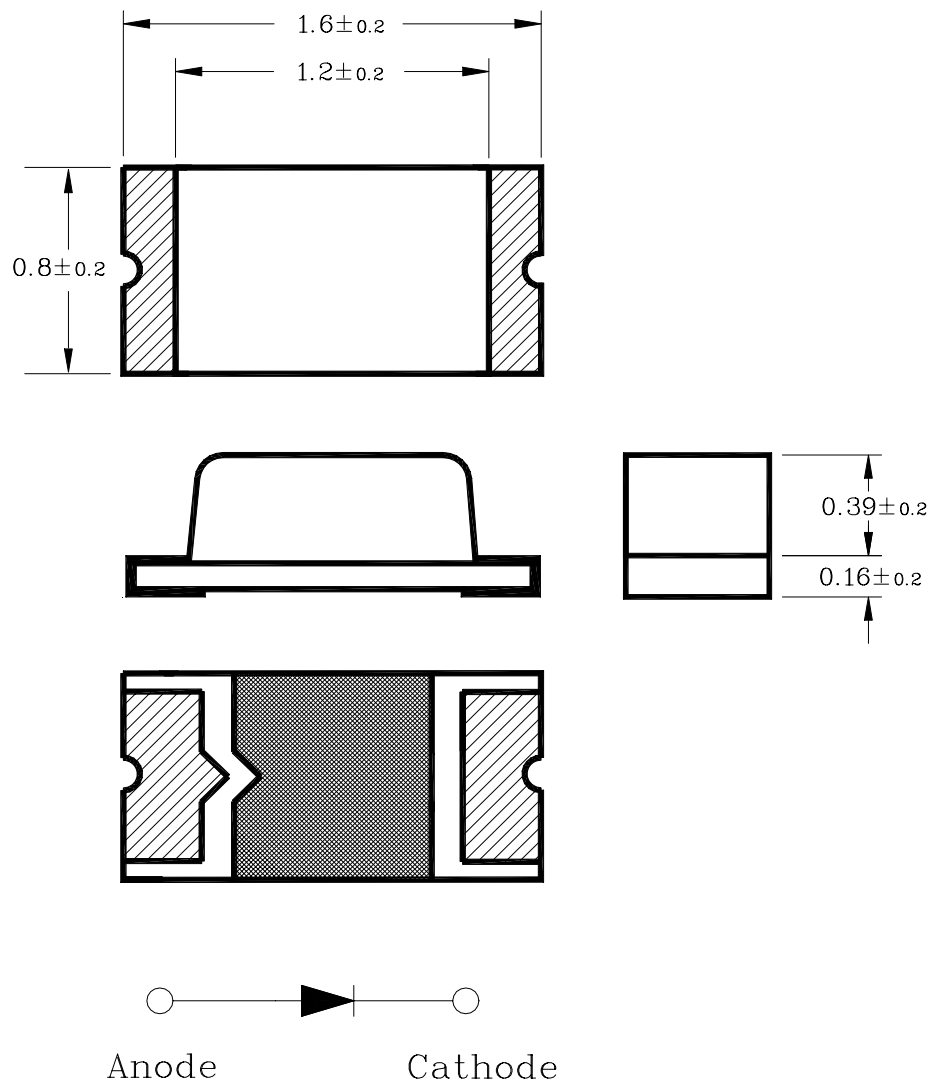


Features

- 1.6mm(L)×0.8mm small size surface mount type
- Thin package of 0.4mm(H) thickness
- Transparent clear lens optic
- Low power consumption type chip LED
- Emitting light green (525nm)

Applications

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

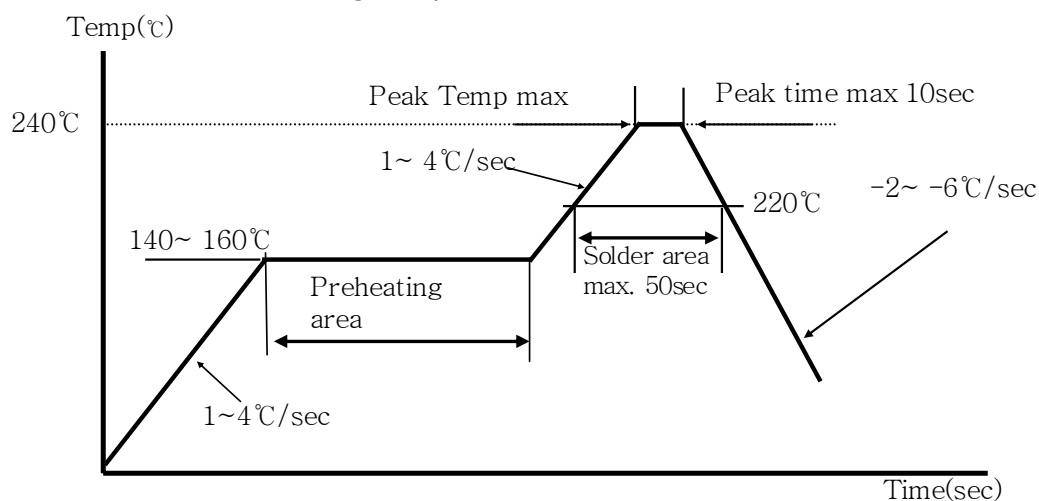
Outline Dimensions**unit : mm**

Absolute maximum ratings

Characteristic	Symbol	Ratings	Unit
Power Dissipation	P_D	80	mW
Forward Current	I_F	20	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



Electrical Characteristics

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
* ³ Forward Voltage	V_F	$I_F = 10\text{mA}$	2.6	3.0	3.6	V
* ⁴ Luminous Intensity	I_V	$I_F = 10\text{mA}$	62	100	228	mcd
Peak Wavelength	λ_p	$I_F = 10\text{mA}$	-	525	-	nm
Spectrum Bandwidth	$\Delta \lambda$	$I_F = 10\text{mA}$	-	35	-	nm
Reverse Current	I_R	$V_R = 4\text{V}$	-	-	10	uA
* ⁵ Half Angle	$\theta_{1/2}$	$I_F = 10\text{mA}$	-	± 65	-	deg
			-	± 70	-	

*3. Forward Voltage Maximum tolerance for $\pm 0.1\text{V}$

*4. 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)

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

● $I_V / V_F / \lambda_p$ Grade Classification

Test Condition @ $I_F = 10\text{mA}$		
Forward Voltage(V)	Luminous Intensity(mcd)	Peak Wavelength(nm)
3 : 2.8~3.0	B : 78~105	A : 515~520
4 : 3.0~3.2	C : 105~140	B : 520~525
5 : 3.2~3.4	D : 140~190	C : 525~530

Characteristic Diagrams

Fig. 1 $I_F - V_F$

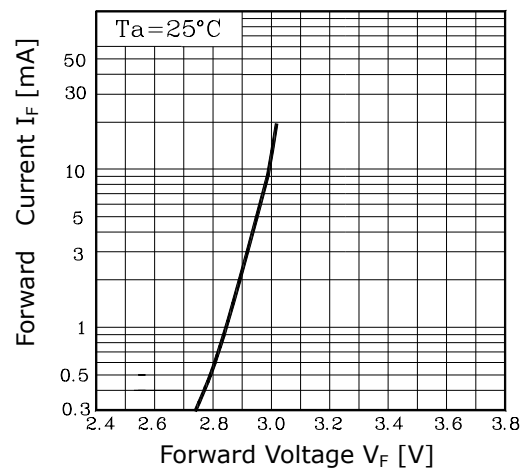


Fig. 2 $I_V - I_F$

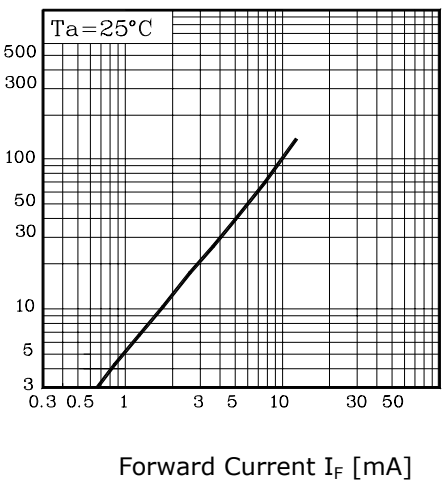


Fig. 3 $I_F - T_a$

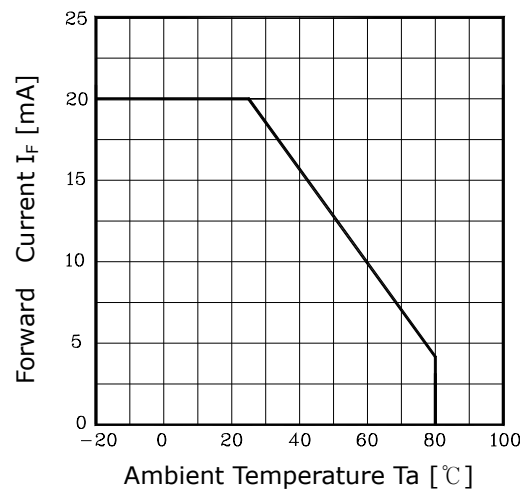


Fig.4 Spectrum Distribution

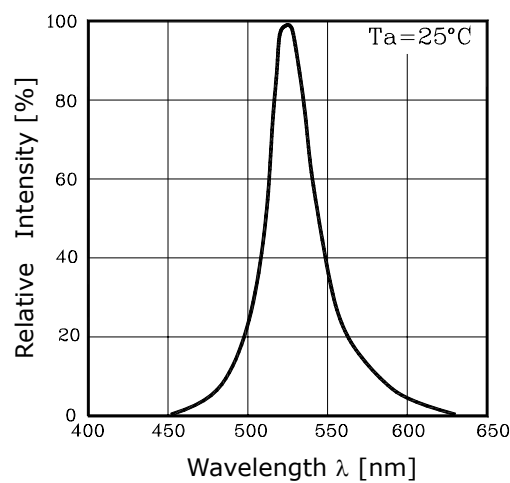


Fig. 5-1 Radiation Diagram(X)

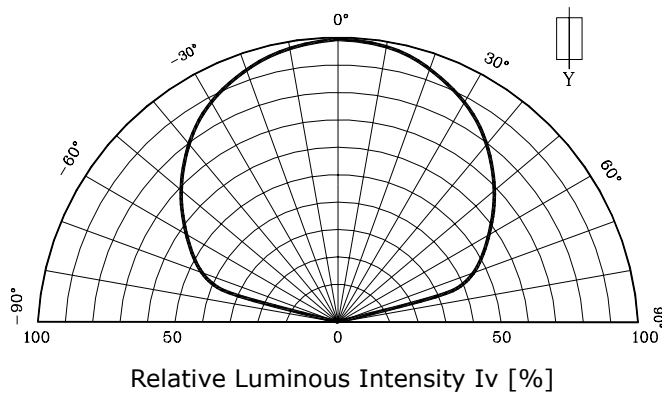
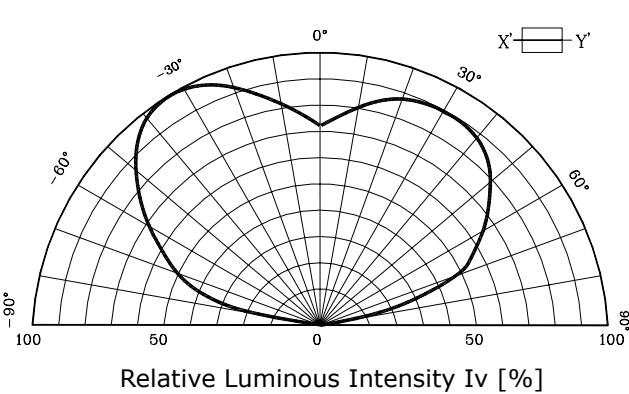


Fig. 5-2 Radiation Diagram(Y)



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