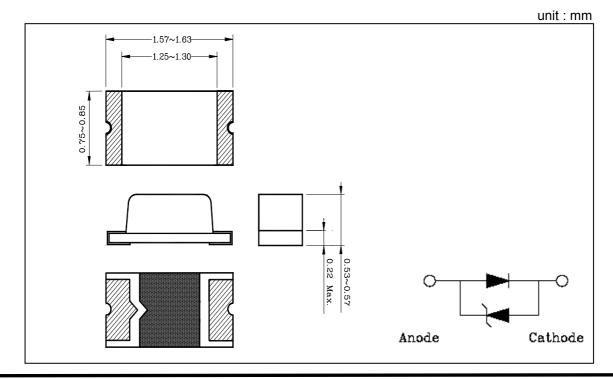
1. Features

- ◆ 1.6mm(L)×0.8mm(W) small size surface mount type
- Thin package of 0.55mm(H) thickness
- Transparent clear lens optic
- Low power consumption type chip LED
- Emitting light green (530nm)
- E ; ESD Protected (±2.0KV, 3 Times @100pF, 1.5KΩ)

2. Applications

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

3. Outline Dimensions



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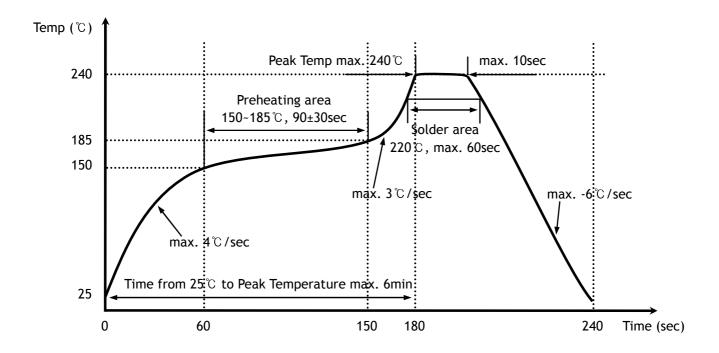
4. Absolute Maximum Ratings

			(Ta=25°C)	
Characteristic	Symbol	Rating	Unit	
Power dissipation	P _D	64	mW	
Forward current	I_F	20	mA	
*1 Peak forward current	I_{FP}	50	mA	
Operating temperature range	T _{opr}	-25~80	Ĉ	
Storage temperature range	T _{stg}	-30~100	Ĉ	
*2 Soldering temperature	T _{sol}	240℃ for 10 seconds		

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

*2.Recommended reflow soldering temperature profile

- Preheating 150 $^\circ$ to 185 $^\circ$ within 120 seconds soldering 240 $^\circ$ within 10 seconds Gradual cooling (Avoid quenching)



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5. Electrical / Optical Characteristics

						(Ta	a=25°C)
Characteristic	Syn	nbol	Test Condition	Min	Тур	Max	Unit
Forward voltage	V	/ _F	I _F = 5mA	2.6	-	3.2	V
*3 Luminous intensity	I	V	I _F = 5mA	56	-	110	mcd
Dominant wavelength	λ_D		I _F = 5mA	536	-	545	nm
Spectrum bandwidth	Δ	Λ_{λ}	I _F = 5mA	-	35	-	nm
*4 Half angle	θ/2	Х	I _F = 5mA	-	±65	-	deg
		Y		-	±70	-	

*3.The test result of $I_{\text{F}}{=}5\text{mA}$ is only for reference

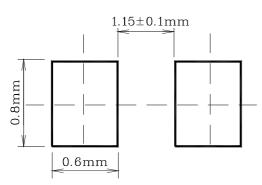
*4. θ /2 is the off-axis angle where the luminous intensity is 1/2 the peak intensity

• V_F / I_V / λ_D Grade Classification (Ta=25[°]C)

Test Condition $@I_F = 5mA$						
Forward Voltage [V]	Luminous Intensity [mcd]	Dominant Wavelength [nm]				
2 : 2.6~2.8	C + E (72					
2.20.20	C : 56 ~ 73	e ₁ : 536~540				
3 : 2.8~3.0	D . 72 110					
4 : 3.0 ~3.2	D : 73 ~ 110	e ₂ : 540~545				

(Each V_F, I_V, λ_D range did not consider a margin. Please refer to ±0.1V of V_F range, ±18% of I_V range, ±1nm of λ_D range as a permitted limit and do not use to combine grade classification. It must be used separately grade classification)

* Recommended Soldering Land Pattern

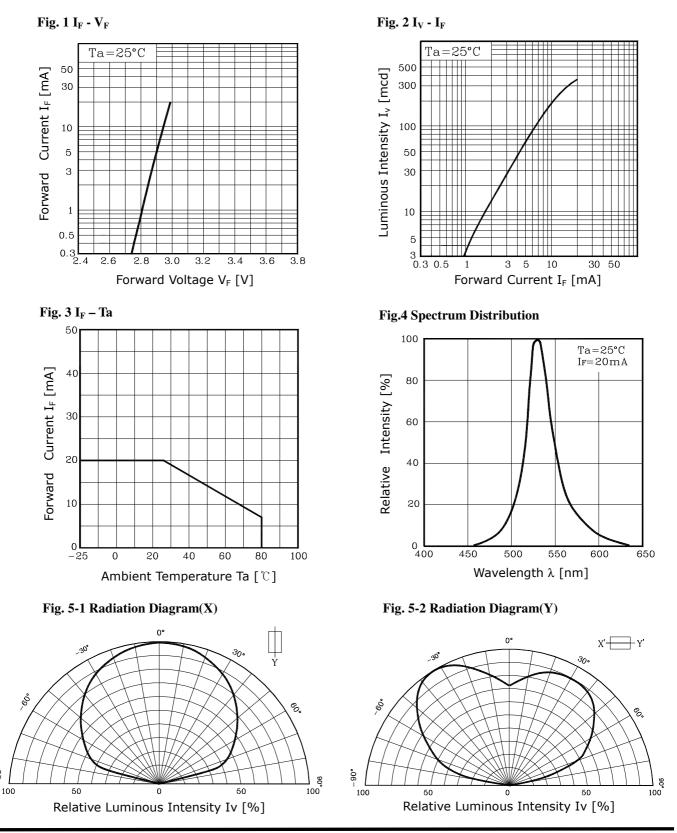


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6. Characteristic Diagrams



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