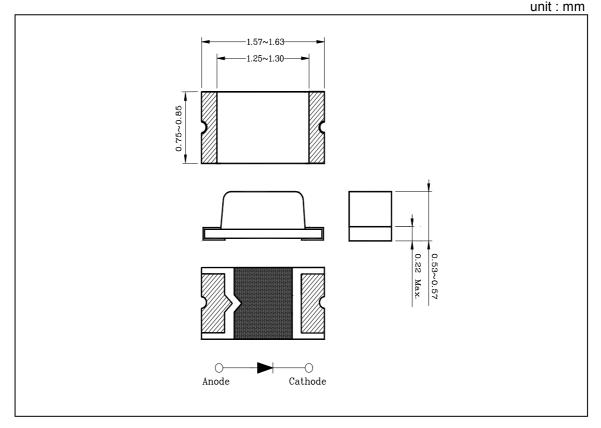
1. Features

- ◆ 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
- Emitting light green (523nm)

2. Applications

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

3. Outline Dimensions





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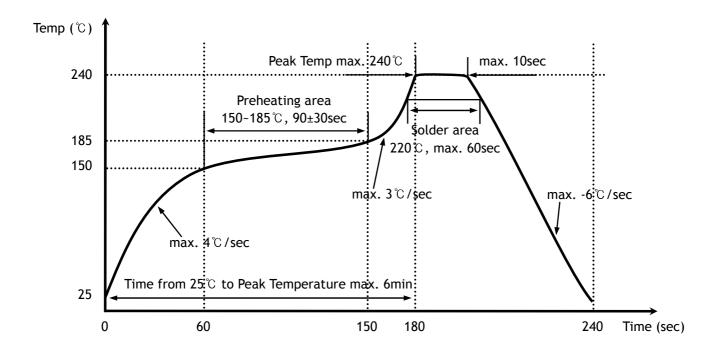
4. Absolute Maximum Ratings

			(Ta=25°C)
Characteristic	Symbol	Rating	Unit
Power dissipation	P _D	68	mW
Forward current	I _F	20	mA
*1 Peak forward current	I_{FP}	50	mA
Reverse voltage	V _R	4	V
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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 $(T_{2}-25^{\circ}C)$

5. Electrical / Optical Characteristics

						(Ta=25 C)
Characteristic	Symbol		Test Condition	Min	Тур	Мах	Unit
Forward voltage	V _F		I _F = 10mA	2.8	-	3.4	V
*3 Luminous intensity	I _V		I _F = 10mA	78	-	190	mcd
Peak wavelength	λ _P		I _F = 10mA	515	-	530	nm
Spectrum bandwidth	Δ_{λ}		I _F = 10mA	-	35	-	nm
Reverse current	Ι	R	V _R =4V	-	-	10	uA
*4 Half angle	θ/2	Х	I _F = 10mA	-	±65	-	deg
		Y		-	±70	-	

*3. The test result of I_F =10mA is only for reference

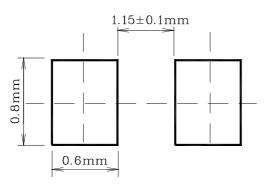
*4. θ /2 is the off-axis angle where the luminous intensity is 1/2 the peak intensity

• $V_F / I_V / \lambda_P$ Grade Classification (Ta=25[°]C)

Test Condition $@I_F = 10mA$					
Forward Voltage [V]	Luminous Intensity [mcd]	Peak Wavelength [nm]			
2 : 2.8~3.0	B:78~105	a : 515~520			
3 : 3.0~3.2	C:105~140	b:520~525			
4 : 3.2~3.4	D:140~190	c :525~530			

(Each V_F, I_V, λ_P range did not consider a margin. Please refer to ±0.1V of V_F range, ±18% of I_V range, ±1nm of λ_P 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

