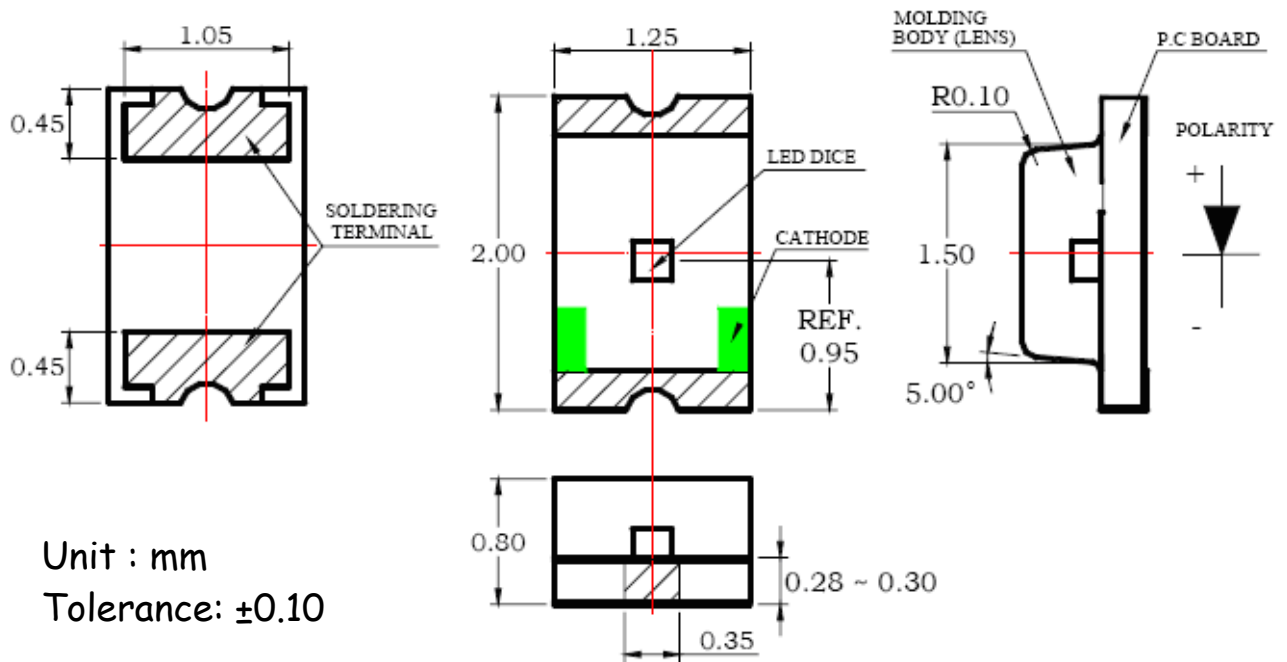


★ **Package Dimensions**



★ **Selection Guide**

Part NO.	Chip		Lens Color	Viewing Angle $2\theta$ 1/2(deg)
	Material	Emitted Color		
0805-FLWC-UHY	AlInGaP	Yellow	Water clear	130

**Part No:0805-FLWC-UHY**

**★Absolute Maximum Ratings**

**(Ta=25°C)**

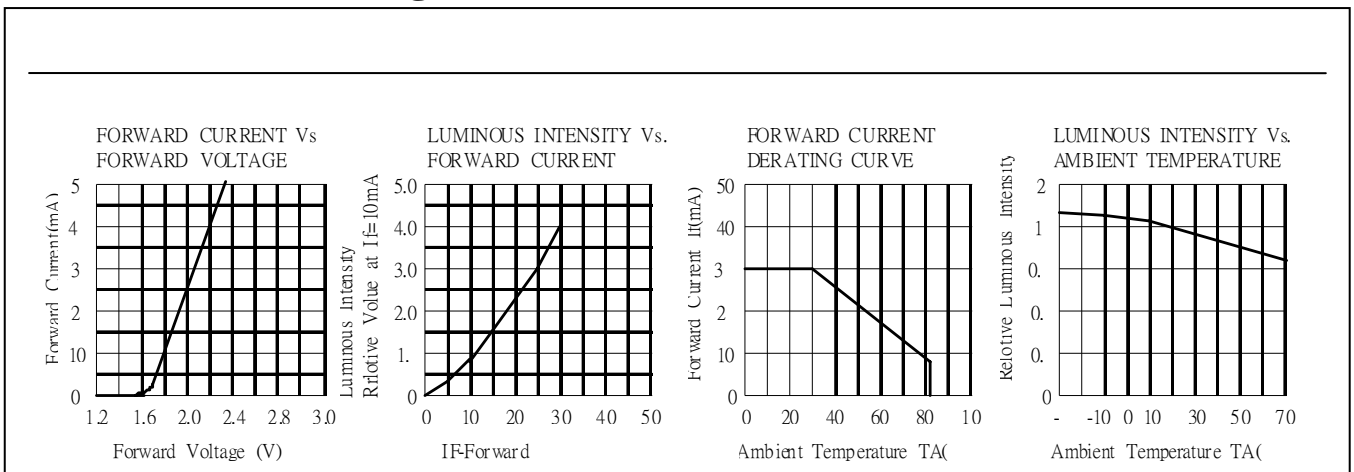
Parameter	Symbol	MAX. Rating	Unit
Power Dissipation	Pd	80	mW
Continuous Forward Current	IF	50	mA
Peak Forward current (10 μs Pulse)	IFM	200	mA
Reverse Voltage	VR	5.0	V
Operating Temperature	Topr	-40~+85	°C
Storage Temperature	Tstg	-40~+85	°C

Soldering Temperature :  
 Reflow soldering 260°C for 10sec./ Hand soldering 300°C for 3 sec.

**★Electric-Optical Characteristics**

Parameter	Symbol	Test Condition	MIN	TYP	MAX	Unit
Forward Voltage	VF	IF=20mA		2.0	2.6	V
Reverse Voltage	VR	IR=10uA	5			V
Luminous Intensity	IV	IF=20mA	35	65		mcd
Peak Emission Wavelength	λ P	IF=20mA		592		nm
Spectrum Width Of Half Value	Δ λ	IF=20mA		20		nm

**★Characteritics Diagrams**



**Part No:0805-FLWC-UHY****★Reliability Test**

No	Item	Test Condition	Test Hours/Cycles	Samples Tested	Acc./Rej
1	Room Temperature DC Oper-ating Life	Ta=25°C, IF=20mA	1000 Hrs	22	0/1
2	Thermal Shock	85±5°C (10min)→ -40±5°C (10min)	200 Cycles	22	0/1
3	Temperature Cycle	-40°C (30min) →(5min)→+85°C (30min)	200 Cycles	22	0/1
4	High Temp./ High Humi. Test	85°C/90±5%RH	1000 Hrs	22	0/1
5	High Temperature Storage	Ta=85°C	1000 Hrs	22	0/1
6	Low Temperature Storage	Ta= - 40°C	1000 Hrs	22	0/1
7	Soldering Heat	260°C±10°C	2 Times	22	0/1