



## Surface Mounted Chip LED Model No. : LS-SP195UHRUYG4-K

### ■ Features :

- Compatible with automatic placement equipment
- Compatible with reflow solder process

### ■ Applications :

- Automotive\_Telecommunication
- Indicators
- LCD Back-lights
- Illuminations

### Absolute Maximum Ratings

( Ta=25℃ )

Item	Symbol	Maximum	Unit
Peak Forward Current (1/10Duty Cycle 0.1ms Pulse Width)	I <sub>FP</sub>	100	mA
Reverse Voltage	V <sub>R</sub>	5	V
Derating Linear From 25℃		0.4	mA/℃
Operating Temperature Range	Topr	-30 to +80	℃
Storage Temperature Range	Tstg	-40 to +85	℃

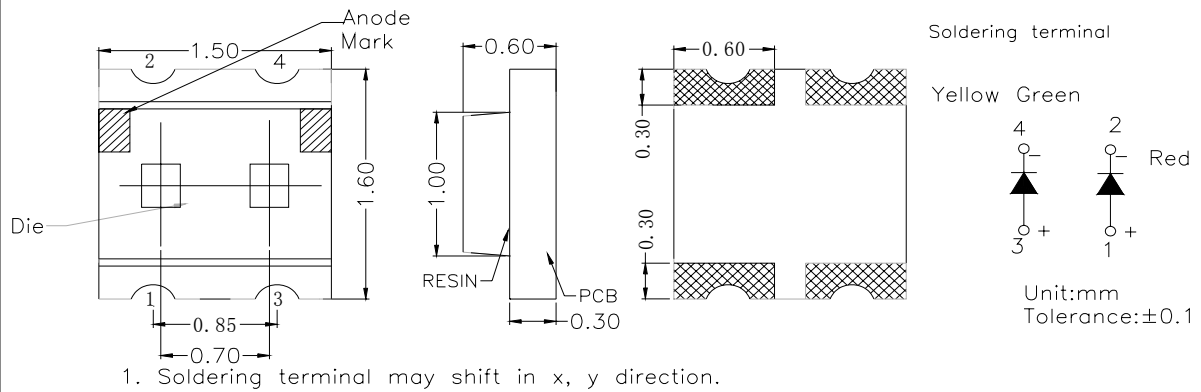
### Electrical / Optical Characteristics

( Ta=25℃ )

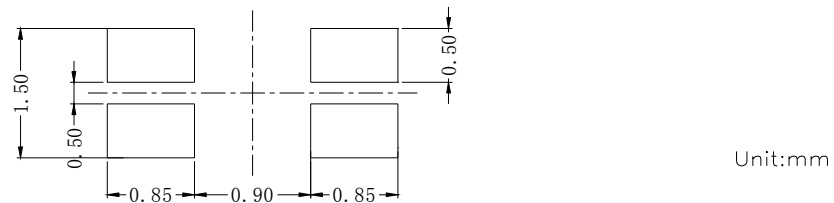
Chip			Lens Appearance	Absolute Maximun Rating			Electro-optical Data (At 20mA)				Viewing Angle 2 θ 1/2 (deg)
Emitted Color	λ P (nm)	λ D (nm)		△ λ (nm)	Pd (mW)	If (mA)	Vf(V)		Iv(mcd)		
							Typ.	Max.	Min.	Typ.	
Ultra High Red	630	625	Water Clear	20	78	30	2.10	2.60	30.0	70.0	130°
Ultra Yellow Green	575	574		15	78	30	2.20	2.70	20.0	40.0	

ISSUE	DIMENSION NO :	VERSION :	DATE :
		A	2006/03/16
	APPROVAL :	CHECK :	EDIT :

## ◆ Package Dimensions of Device ( LS-SP195 Series )

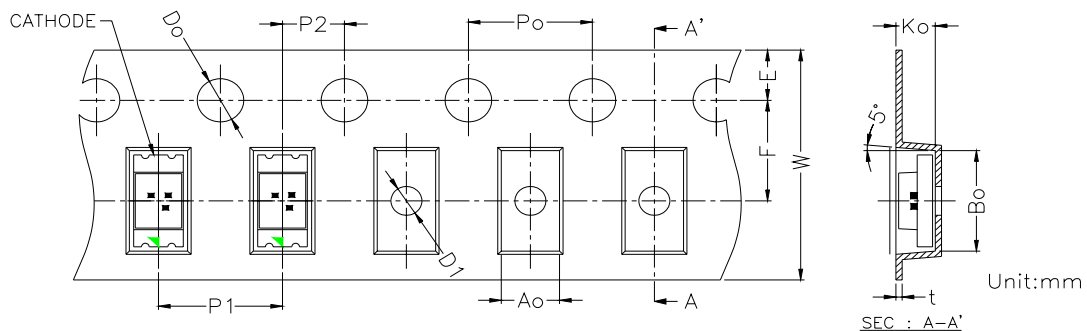


## ◆ Recommended Soldering Pad Dimensions



## ◆ Tape Specification : 3000pcs Per Reel

Packing Size													
Item	W	P1	E	F	Do	D1	Po	10Po	P2	Ao	Bo	Ko	t
Spec.	8.00	4.00	1.75	3.50	1.50	1.00	4.00	40.00	2.00	1.65	1.75	0.70	0.229
Tolerance	±0.20	±0.10	±0.10	±0.05	+0.10 -0.00	±0.05	±0.05	±0.20	±0.05	±0.05	±0.05	±0.05	±0.05



## ◆ Package Dimensions of Reel :

