

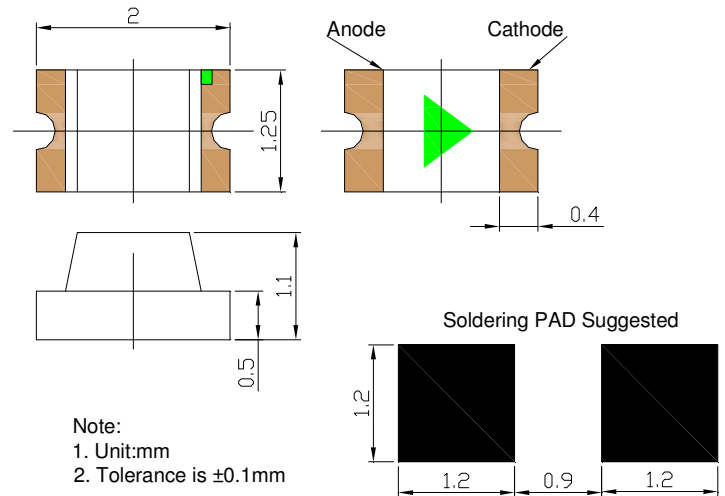
### ■Features

- Single chip Flashing Type
- 2.0x1.25x1.1mm(0805) standard package.
- Suitable for all SMT assembly methods.
- Compatible with infrared and vapor phase reflow solder process.
- This product doesn't contain restriction Substance, comply ROHS standard.
- Compatible with automatic placement equipment.

### ■Applications

- Automotive : Dashboards, stop lamps, turn signals.
- Backlighting : LCDs, Key pads advertising.

### ■Outline Dimension



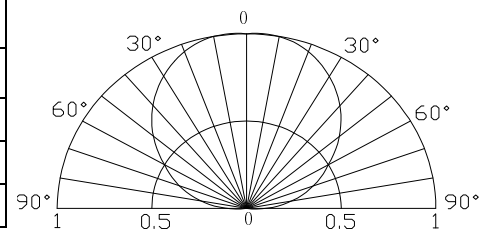
### ■Absolute Maximum Rating

( $T_a=25^\circ\text{C}$ )

Item	Symbol	Value	Unit
DC Forward Current	$I_F$	30	mA
Operating Temperature	$T_{opr}$	-40 ~ +85	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40 ~ +85	$^\circ\text{C}$
Lead Soldering Temperature	$T_{sol}$	260 $^\circ\text{C}$ /5sec	-

\*Pulse width Max 0.1ms, Duty ratio max 1/10

### ■Directivity



### ■Electrical -Optical Characteristics

( $T_a=25^\circ\text{C}$ )

Part Number	Color		$V_F$ (V)			$F_{led}$ (Hz)	$I_v$ (mcd)			$\lambda D$ (nm)			$2\theta_{1/2}$ (deg)
			Min.	Typ.	Max.		Min.	Typ.	Max.	Min.	Typ.	Max.	
$I_F=20\text{mA}$													
OSWS0805C1E	White	W	3.0	3.5	4.0	1.5	350	450	550	CCT: 7000-20000K			120
OSKS0805C1E	Pink	K	3.0	3.5	4.0	1.5	150	200	250	X:0.36~0.40, Y:0.12~0.20			120
OSBS0805C1E	Blue	B	3.0	3.5	4.0	1.5	30	50	70	460	465	475	120
OSPS0805C1E	True green	PG	3.0	3.5	4.0	1.5	400	550	700	520	525	530	120
OSGS0805C1E	Yellow green	YG	3.0	3.5	4.0	1.5	25	35	50	565	570	575	120
OSYS0805C1E	Yellow	Y	3.0	3.5	4.0	1.5	70	100	150	585	590	595	120
OSOS0805C1E	Orange	O	3.0	3.5	4.0	1.5	70	100	150	600	605	610	120
OSRS0805C1E	Red	R	3.0	3.5	4.0	1.5	70	100	150	620	625	630	120

Note: \*1.  $V_f$  tolerance:  $\pm 0.05\text{V}$  \*2. Dominant wavelength tolerance:  $\pm 1\text{nm}$

\*3. Luminous intensity tolerance:  $\pm 10\%$  \*4. Tolerance of Frequency is  $\pm 20\%$