

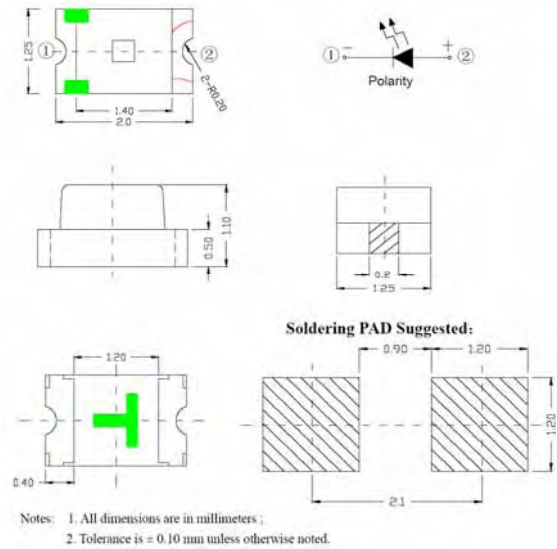
■Features

- Single chip
- 2.0x1.25x1.0mm(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



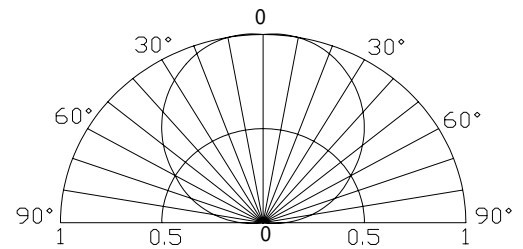
■Absolute Maximum Rating

(Ta=25 °C)

Item	Symbol	Value		Unit
		WT/MT /BL	HR/YG /YL	
DC Forward Current	I _F	30	30	mA
Pulse Forward Current*	I _{FP}	100	100	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	108	78	mW
Operating Temperature	Topr	-40 ~ +85		
Storage Temperature	Tstg	-40~ +85		
Lead Soldering Temperature	Tsol	260 /5sec		-

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

■Directivity



Electrical -Optical Characteristics

(Ta=25 °C)

Part Number	Color		V _F (V)			I _R (μA)	I _v (mcd)			λD (nm)			2θ1/2(deg)
			Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
			I _F =20mA			V _R =5V	I _F =20mA						
OSW50805C1C	White	W5	-	3.3	3.6	100	350	450	-	X:0.29, Y:0.29			120
OSM50805C1C	Warm White	M5	-	3.3	3.6	100	350	450	-	X:0.44, Y:0.41			120
OSB50805C1C	Blue	B5	-	3.2	3.6	100	42	80	-	460	465	475	120
OSG50805C1C	True green	G5	-	3.3	3.6	100	400	450	-	520	525	530	120
OSG80805C1C	Yellow green	G8	-	2.0	2.6	100	20	35	-	564	570	578	120
OSY50805C1C	Yellow	Y5	-	2.1	2.6	100	100	120	-	585	590	595	120
OSO50805C1C	Orange	O5	-	2.0	2.6	100	100	120	-	600	605	610	120
OSR50805C1C	Red	R5	-	2.0	2.6	100	120	150	-	620	625	630	120

Note: * V_f tolerance: ±0.05V * Dominant wavelength tolerance: ±1nm

* Luminous intensity tolerance: ±10%