

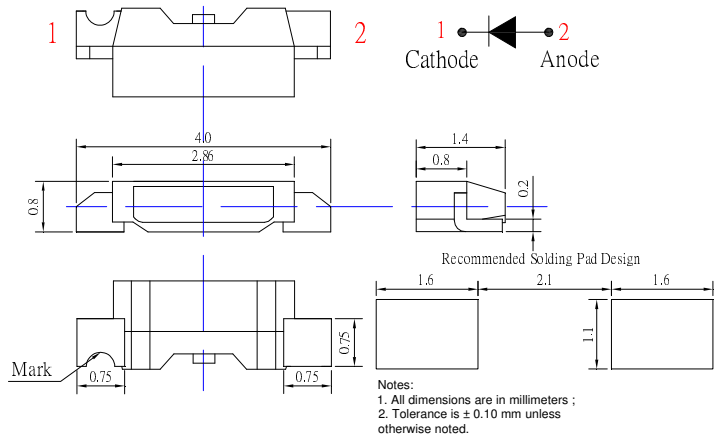
■Features

- Single chip
- Suitable for all SMT assembly methods.
- Sorting for I_v and V_f @ 20mA of I_f
- Compact package outline
(LxWxT) of 4.0mm x 0.8mm x 1.4mm
- Compatible to IR reflow soldering.

■Applications

- Mobile communications equipment (Ipad, Iphone, etc.)
- Digital products (MP3,MP4, etc.)

■Outline Dimension



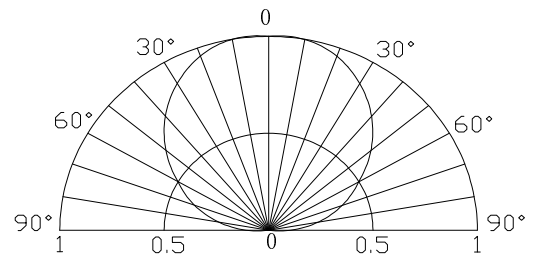
■Absolute Maximum Rating

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

Item	Symbol	Value		Unit
		W/M/K/PG//B	YG/Y/R	
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	102	72	mW
Operating Temperature	T_{opr}	-30 ~ +85		$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 ~ +100		$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	260 $^\circ\text{C}$ /10sec		-

*Pulse width Max.10ms Duty ratio max 1/10

■Directivity



■Electrical -Optical Characteristics

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

Part Number	Color			V_F (V)			I_R (μA)	I_v (mcd)			CCT(K)\Wd(nm)*			$2\theta_{1/2}$ (deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=20\text{mA}$			$V_R=5\text{V}$			$I_F=20\text{mA}$				
OSW44008C1F	White	W		2.8	3.0	3.4	10	1400	2000	-	CCT:5500~8500K			120
OSW54008C1F	Cool White	W		2.8	3.0	3.4	10	1400	2000	-	CCT:8000~18000K			120
OSM44008C1F	Warm White	M	■	2.8	3.0	3.4	10	1400	2000	-	CCT:2300~2700K			120
OSK54008C1F	Pink	K		2.8	3.0	3.4	10	100	200	-	typ.:X=0.26,Y=0.12			120
OSB54008C1F	Blue	B	■	2.8	3.0	3.4	10	200	400	-	460	465	470	120
OSG84008C1F	Yellow Green	YG	■	1.8	2.0	2.4	10	70	120	-	565	570	575	120
OSG54008C1F	Pure Green	PG	■	2.8	3.0	3.4	10	800	1500	-	515	520	525	120
OSY54008C1F	Yellow	Y	■	1.8	2.0	2.4	10	200	400	-	585	590	595	120
OSR54008C1F	Red	R	■	1.8	2.0	2.4	10	200	400	-	620	625	630	120

*1 Tolerance of measurements of chromaticity coordinate is $\pm 10\%$

*2 Tolerance of measurements of dominant wavelength is $\pm 1\text{nm}$

*3 Tolerance of measurements of luminous intensity is $\pm 15\%$

*4 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$