

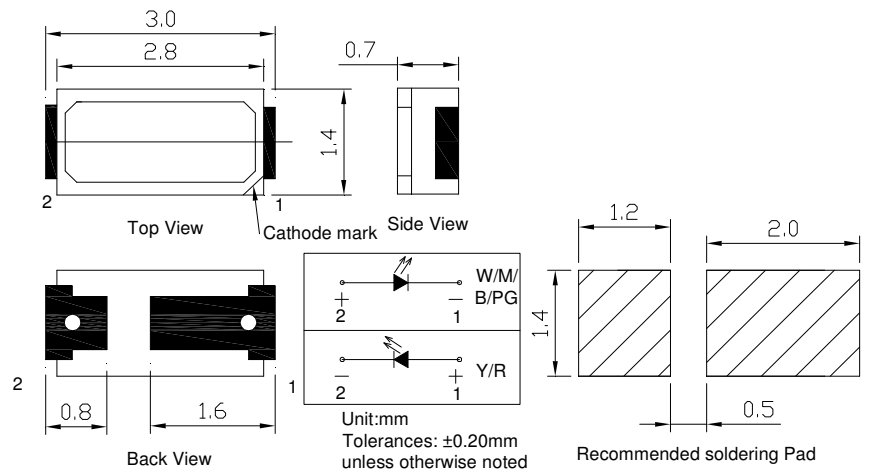
■Features

- Top view white LED (3.0 x 1.4 x 0.7mm)
- Super high brightness of surface mount LED
- Lead frame package with individual 2 pins
- Compatible to IR reflow soldering.

■Applications

- General lighting
- Decoration lighting
- Indicator

■Outline Dimension



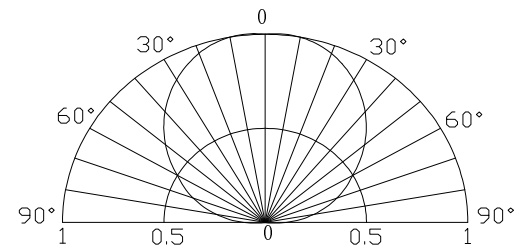
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/M/B/PG	Y/R	
DC Forward Current	I _F	35	35	mA
Pulse Forward Current*	I _{FP}	100	100	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	126	91	mW
Operating Temperature	Topr	-40 ~ +85		°C
Storage Temperature	Tstg	-40~ +85		°C
Lead Soldering Temperature	Tsol	260°C/10sec		-

*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)			WD(nm)/CCT(K)			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =30mA			V _R =5V			I _F =30mA				
OSW43014C1A-30MA	White	W		2.8	3.1	3.6	10	3000	3500	-	5500K	-	6500K	120
OSM53014C1A-30MA	Warm white	M	■	2.8	3.1	3.6	10	3000	3500	-	2800K	-	3200K	120
OSB43014C1A-30MA	Blue	B	■	2.8	3.1	3.6	10	300	400	-	455	460	465	120
OSG53014C1A-30MA	Pure Green	PG	■	2.8	3.1	3.6	10	1600	2000	-	520	525	530	120
OSY53014C1A-30MA	Yellow	Y	■	1.8	2.1	2.6	10	800	1000	-	585	590	595	120
OSR53014C1A-30MA	Red	R	■	1.8	2.1	2.6	10	800	1000	-	620	625	630	120

*1 Tolerance of measurements of chromaticity coordinate is ±10%

*2 Tolerance of measurements of dominant wavelength is ±1nm

*3 Tolerance of measurements of luminous intensity is ±15%

*4 Tolerance of measurements of forward voltage is ±0.1V