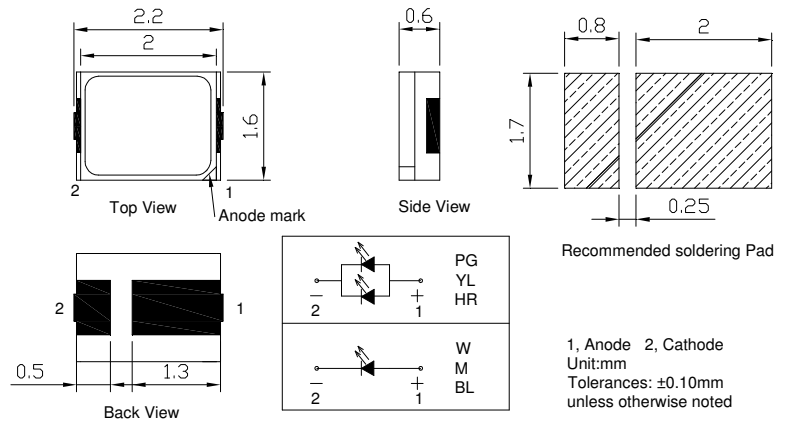


■Features

- Top view white LED (2.0 x 1.6 x 0.6mm)
- Super high brightness of surface mount LED
- Lead frame package with individual 2 pins
- Compatible to IR reflow soldering.

■Outline Dimension



■Applications

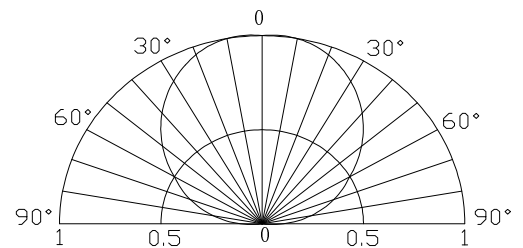
- General lighting
- Decoration lighting
- Indicator

■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		W/M/B/G	Y/R	
DC Forward Current	I _F	60	60	mA
Pulse Forward Current*	I _{FP}	100	100	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	228	156	mW
Operating Temperature	Topr	-30 ~ +85		°C
Storage Temperature	Tstg	-40~ +100		°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)			λD(nm)			2θ1/2(deg)
			Min.	Typ.	Max.		Max.	Min.	Typ.	Max.	Min.	Typ.	
			I _F =60mA			V _R =5V		I _F =60mA					
OSW42016C1A-60MA	White	W5	2.9	3.2	3.8	10	7000	8400	-	5000-7000K			120
OSM52016C1A-60MA	Warm White	M5	2.9	3.2	3.8	10	5800	7000	-	2700-3400K			120
OSB42016C1A-60MA	Blue	B5	2.9	3.2	3.8	10	500	750	-	455	460	465	120
OSG52016C1A-60MA	Pure Green	G5	2.9	3.2	3.8	20	3000	3500	-	520	525	530	120
OSY52016C1A-60MA	Yellow	Y5	1.8	2.1	2.6	20	1120	1560	-	585	590	595	120
OSR52016C1A-60MA	Red	R5	1.8	2.1	2.6	20	1120	1560	-	620	625	630	120

*1 Tolerance of measurements of chromaticity coordinates is ±10%
 *2 Tolerance of measurements of dominant wavelength is ±1nm
 *3 Tolerance of measurements of luminous flux is ±15%
 *4 Tolerance of measurements of forward voltage is ±0.1V