

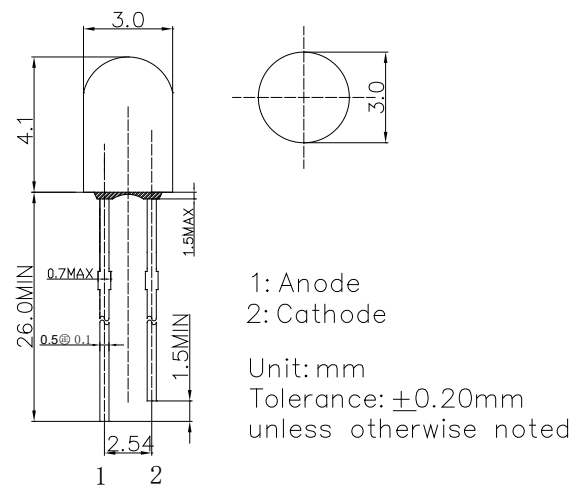
■Features

- High Luminous LEDs
- 3mm Round Standard Directivity
- UV Resistant Epoxy
- Color Diffused / White Diffused (W,M only)

■Applications

- Indication & Decoration
- Games & Toys
- Back Lighting

■Outline Dimension

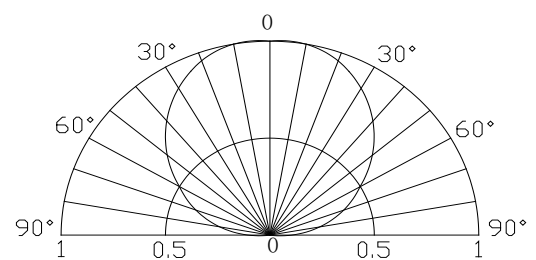


■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/M/B/PG	YG/Y/O/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	78	mW
Operating Temperature	T _{opr}	-30 ~ +85		°C
Storage Temperature	T _{stg}	-40 ~ +100		°C
Lead Soldering Temperature	T _{sol}	260°C/5sec		-

■Directivity



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

■Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color			V _F (V)*			I _R (μA)	I _v (mcd)*			Wd(nm)* / CCT*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =20mA			V _R =5V	I _F =20mA						
OSW5YK37C2B	Cool White	W		-	2.9	3.4	10	500	750	-	CCT:8500-18000K			120
OSM5YK37C2B	Warm White	M		-	2.9	3.4	10	500	750	-	CCT:2700-3200K			120
OSB5YU37C4B	Blue	B		-	2.9	3.4	10	150	220	-	465	470	475	120
OSG5TA37C4B	Pure Green	PG		-	2.9	3.4	10	500	750	-	520	525	530	120
OSG8HA37C4B	Yellow Green	YG		-	2.1	2.6	10	68	100	-	565	570	575	120
OSY5JA37C4B	Yellow	Y		-	2.1	2.6	10	120	150	-	585	590	595	120
OSO5JA37C4B	Orange	O		-	2.1	2.6	10	120	150	-	600	605	610	120
OSR5JA37C4B	Red	R		-	2.1	2.6	10	120	150	-	620	625	630	120

*1 Tolerance of measurements of chromaticity coordinate/CCT 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 $\pm 0.1\text{V}$