

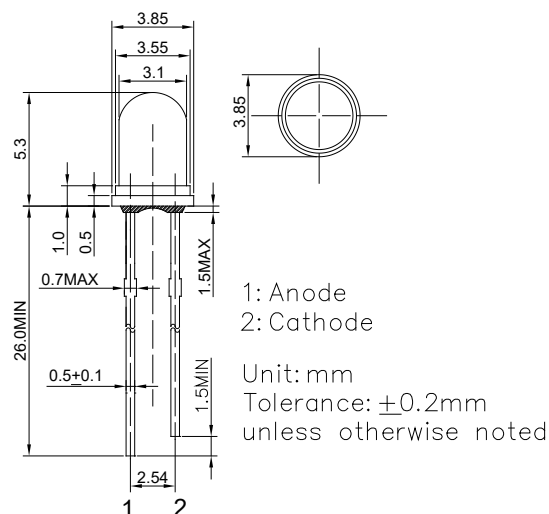
■Features

- High Luminous LED
- 3mm Round Standard Directivity
- Long Lifetime Operation
- Superior UV Resistance
- Color Diffused / White Diffused (W, M only)

■Applications

- General Purpose Indicators
- Decorations
- Toys & Games
- General Use

■Outline Dimension



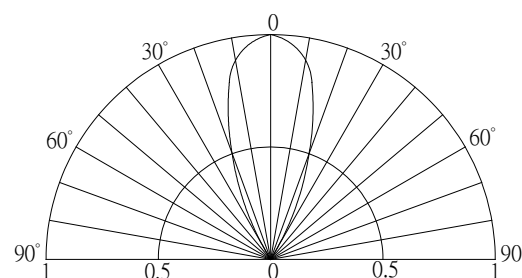
■Absolute Maximum Rating

(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	Topr	-30 ~ +85		°C
Storage Temperature	Tstg	-40 ~ +100		°C
Lead Soldering Temperature	Tsol	260°C/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			I _F =20mA			
OSW5YK3M42A	White	W		-	2.9	3.4	10	750	1120	-	*CCT: 8500-18000K			40
OSM5YK3M42A	Warm White	M		-	2.9	3.4	10	750	1120	-	*CCT: 2700-3200K			40
OSB5YU3M44A	Blue	B		-	2.9	3.4	10	330	500	-	465	470	475	40
OSG5TA3M44A	Pure Green	PG		-	2.9	3.4	10	750	1120	-	520	525	530	40
OSG8HA3M44A	Yellow Green	YG		-	2.1	2.6	10	150	220	-	565	570	575	40
OSY5JA3M44A	Yellow	Y		-	2.1	2.6	10	220	330	-	585	590	595	40
OSO5JA3M44A	Orange	O		-	2.1	2.6	10	220	330	-	600	605	610	40
OSR5JA3M44A	Red	R		-	2.1	2.6	10	220	330	-	620	625	630	40

*1 Tolerance of measurements of domi. wavelength is ± 1 nm

*2 Tolerance of measurements of chromaticity coordinates is $\pm 10\%$

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

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

LED & Application Technologies

