

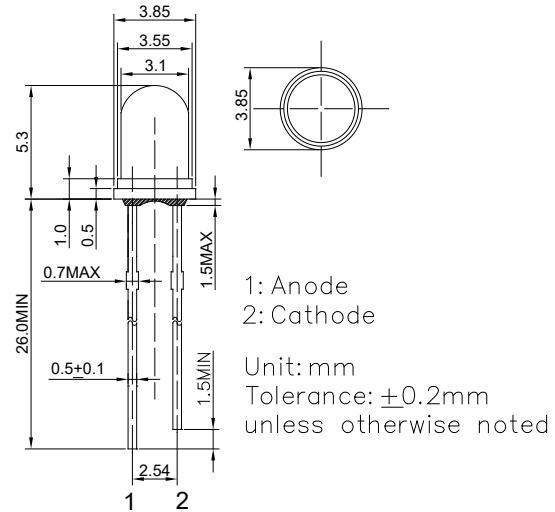
■Features

- 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



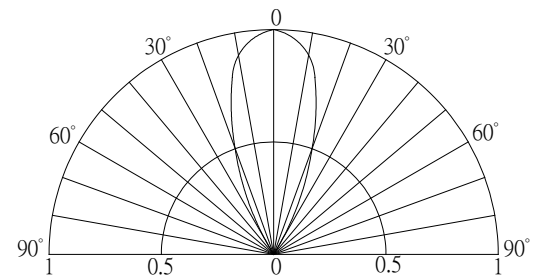
■Absolute Maximum Rating

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

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		$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 ~ +100		$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	260 $^\circ\text{C}$ /5sec		-

#Pulse width Max 0.1ms, 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)*			λ_D (nm)*			2 θ 1/2(deg)
			Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
			$I_F=20\text{mA}$			$V_R=5\text{V}$	$I_F=20\text{mA}$						
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 $\pm 1\text{nm}$

*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 $\pm 0.1\text{V}$

LED & Application Technologies



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