

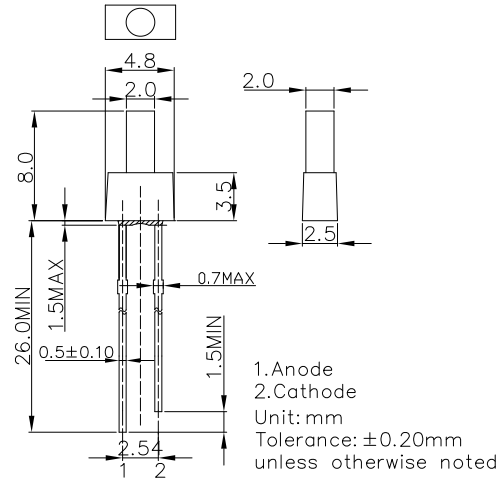
■Features

- High Luminous LED
- 2mm Tower Standard Directivity
- Long Lifetime Operation
- Superior UV Resistance
- Color Diffused (W/M: White Diffused)

■Applications

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

■Outline Dimension



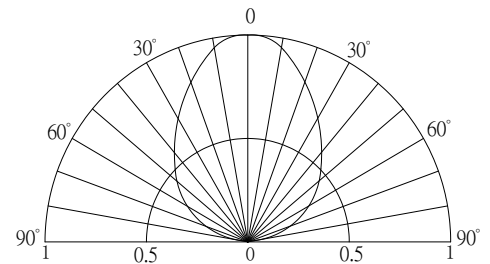
■Absolute Maximum Rating

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

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}	$-30 \sim +85$		$^\circ\text{C}$
Storage Temperature	T_{stg}	$-40 \sim +100$		$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	$260^\circ\text{C}/5\text{sec}$		-

#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)*			$2\theta_{1/2}$ (deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=20\text{mA}$			$V_R=5\text{V}$	$I_F=20\text{mA}$			$I_F=20\text{mA}$			
OSW5YK7K92B	White	W		-	2.9	3.4	10	500	750	-	CCT:8000-18000K			90
OSM5YK7K92B	Warm White	M		-	2.9	3.4	10	330	500	-	CCT:2700-3200K			90
OSB4YU7K94B	Blue	B		-	2.9	3.4	10	220	330	-	455	460	465	90
OSG5TA7K94B	Pure Green	PG		-	2.9	3.4	10	330	500	-	520	525	530	90
OSG8HA7K94B	Yellow Green	YG		-	2.1	2.6	10	68	100	-	565	570	575	90
OSY5LU7K94B	Yellow	Y		-	2.1	2.6	10	45	68	-	585	590	595	90
OSY5JA7K94B	Yellow	Y		-	2.1	2.6	10	100	150	-	585	590	595	90
OSO5JA7K94B	Orange	O		-	2.1	2.6	10	150	220	-	600	605	610	90
OSR5JA7K94B	Red	R		-	2.1	2.6	10	100	150	-	620	625	630	90
OSR6LU7K94B	Red	R		-	2.1	2.6	10	45	68	-	630	640	650	90

*1 Tolerance of measurements of dominant wavelength is $\pm 1\text{nm}$

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

*3 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$