

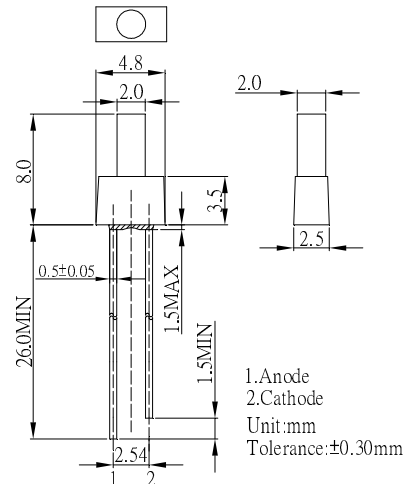
■Features

- Highest Luminous Flux
- 2mm Tower Standard Directivity
- Long Lifetime Operation
- Superior UV Resistance
- Color Diffused Type
- White Diffused Type only for White LED

■Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

■Outline Dimension



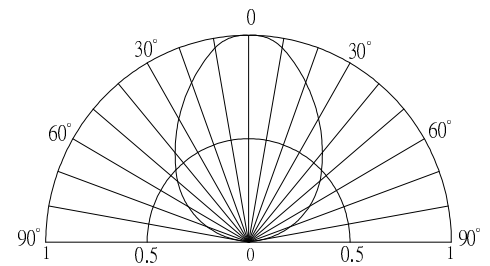
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/B	R/Y/YG	
DC Forward Current	I _F	25	30	mA
Pulse Forward Current*	I _{FP}	80	100	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	90	78	mW
Operating Temperature	T _{opr}	-40 ~ +85		°C
Storage Temperature	T _{stg}	-40 ~ +85		°C
Lead Soldering Temperature	T _{sol}	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.	
			I _F =20mA			V _R =5V		I _F =20mA					
OSW5YK7K92B	White	W	2.8	3.1	3.6	10	500	750	-	CCT:8000-18000K			90
OSM5YK7K92B	Warm White	M	2.8	3.1	3.6	10	330	500	-	CCT:2700-3200K			90
OSB4YU7K94B	Blue	B	2.8	3.1	3.6	10	220	330	-	455	460	465	90
OSG5TA7K94B	Pure Green	PG	2.8	3.1	3.6	10	330	500	-	520	525	530	90
OSG8HA7K94B	Yellow Green	YG	1.8	2.1	2.6	10	68	100	-	565	570	575	90
OSY5JA7K94B	Yellow	Y	1.8	2.1	2.6	10	100	150	-	585	590	595	90
OSO5JA7K94B	Orange	O	1.8	2.1	2.6	10	150	220	-	600	605	610	90
OSR5JA7K94B	Red	R	1.8	2.1	2.6	10	100	150	-	620	625	630	90

Note: *1. Dominant wavelength tolerance: ±1nm

*2. Tolerance of luminous intensity is ±15%