

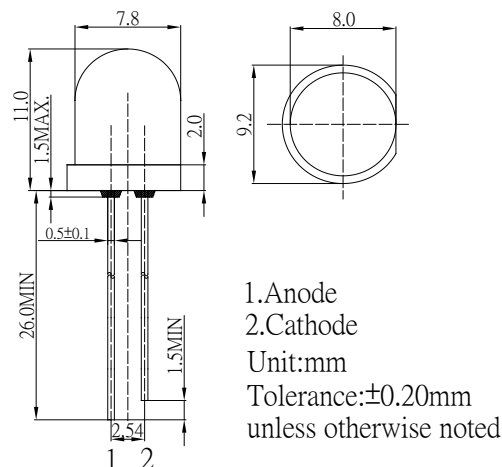
■Features

- High Luminous LEDs
- 8mm Round Standard Directivity
- UV Resistant Epoxy
- Color Diffused / White Diffused (W, M only)

■Applications

- General Purpose Indicators
- Decorations
- Back Lighting
- General Use

■Outline Dimension



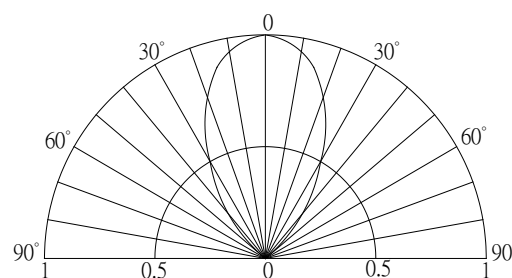
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
DC Forward Current	I _F	W/M/BL/PG	YG/Y/O/R	mA
Pulse Forward Current#	I _{FP}	30	30	mA
Reverse Voltage	V _R	100	100	V
Power Dissipation	P _D	5	5	mW
Operating Temperature	T _{opr}	-30 ~ +85		°C
Storage Temperature	T _{stg}	-40 ~ +100		°C
Lead Soldering Temperature	T _{sol}	260°C/5sec		-

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

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color			V _F (V)*			I _R (μA)	I _v (mcd)*			Wd (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			
OSW4DK8162A	Pure White	W		-	2.9	3.4	10	750	1120	-	5500-6500-8500K(X:0.31,Y:0.33)			60
OSM5DK8162A	Warm White	M		-	2.9	3.4	10	750	1120	-	2700-3000-3200K(X:0.44,Y:0.41)			60
OSB5SA8164A	Blue	BL		-	2.9	3.4	10	220	330	-	465	470	475	60
OSG5DA8164A	Pure Green	PG		-	2.9	3.4	10	750	1120	-	520	525	530	60
OSG8HA8164A	Yellow Green	YG		-	2.1	2.6	10	68	100	-	565	570	575	60
OSY5JA8164A	Yellow	Y		-	2.1	2.6	10	150	220	-	585	590	595	60
OSO5JA8164A	Orange	O		-	2.1	2.6	10	150	220	-	600	605	610	60
OSR5JA8164A	Red	R		-	2.1	2.6	10	150	220	-	620	625	630	60

*1 Tolerance of measurements of chromaticity coordinate is ±10%

*2 Tolerance of measurements of dominant wavelength is ±1nm

*3 Tolerance of measurements of luminous intensity is ±15%

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