

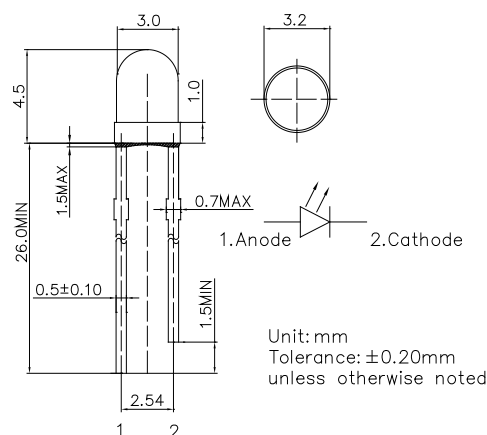
■Features

- High Luminous LEDs
- 3mm Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

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

■Outline Dimension



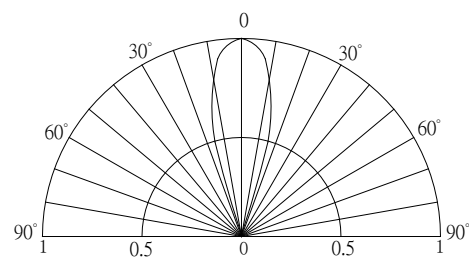
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/M/BL/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		°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)*/CCT(K)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =20mA			V _R =5V	I _F =20mA						
OSW5DK3C31A	Cool White	W		-	2.9	3.4	10	8400	10000	-	8500-10000-18000K(X:0.27,Y:0.28)			30
OSM5DK3C31A	Warm White	M	■	-	2.9	3.4	10	8400	10000	-	2700-3000-3300K(X:0.44,Y:0.41)			30
OSB5SA3C31A	Blue	BL	■	-	2.9	3.4	10	3000	4200	-	465	470	475	30
OSG5DA3C31A	Pure Green	PG	■	-	2.9	3.4	10	8400	10000	-	520	525	530	30
OSG8HA3C31A	Yellow Green	YG	■	-	2.1	2.6	10	330	500	-	565	570	575	30
OSY5JA3C31A	Yellow	Y	■	-	2.1	2.6	10	1560	2180	-	585	590	595	30
OSY5PA3C31A	Yellow	Y	■	-	2.1	2.6	10	4200	5800	-	585	590	595	30
OSO5JA3C31A	Orange	O	■	-	2.1	2.6	10	1560	2180	-	600	605	610	30
OSO5PA3C31A	Orange	O	■	-	2.1	2.6	10	4200	5800	-	600	605	610	30
OSR5JA3C31A	Red	R	■	-	2.1	2.6	10	1560	2180	-	620	625	630	30
OSR5PA3C31A	Red	R	■	-	2.1	2.6	10	4200	5800	-	620	625	630	30

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

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

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

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