

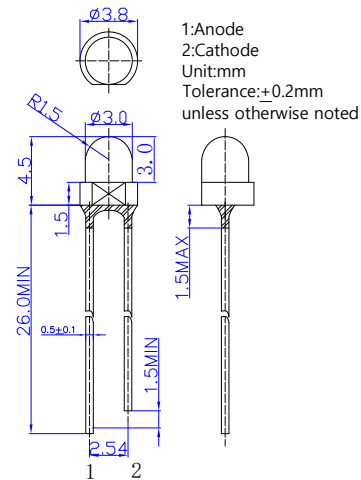
■Features

- High Luminous LEDs
- 3mm Round Standard Directivity
- UV Resistant Epoxy
- Wide Viewing Angle
- Smooth Light Pattern
- Water Clear Type

■Applications

- Background illumination
- Communications equipment
- Low power DC circuits
- General lighting purposes

■Outline Dimension

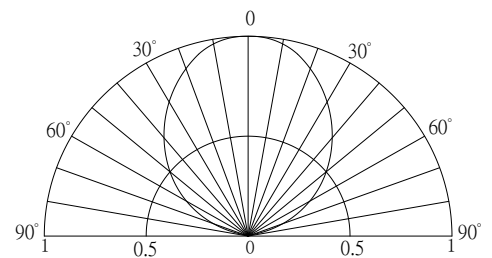


■Absolute Maximum Rating

(Ta=25°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		°C
Storage Temperature	T _{stg}	-40 ~ +100		°C
Lead Soldering Temperature	T _{sol}	260°C/5sec		-

■Directivity



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

■Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color			V _F (V)*1			I _R (μA)	I _v (mcd)*2			λD(nm)*3/CCT(K)*4			θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =20mA			V _R =5V	I _F =20mA						
OSW5DK3VA1A	White	W		-	2.9	3.4	10	1120	1560	-	8500-18000K(X:0.27,Y:0.28)			100
OSM5DK3VA1A	Warm White	M		-	2.9	3.4	10	750	1120	-	2700-3200K(X:0.45,Y:0.41)			100
OSB5SA3VA1A	Blue	B		-	2.9	3.4	10	330	500	-	465	470	475	100
OSG5DA3VA1A	Pure Green	PG		-	2.9	3.4	10	1120	1560	-	520	525	530	100
OSG8HA3VA1A	Yellow Green	YG		-	2.1	2.6	10	68	100	-	565	570	575	100
OSY5PA3VA1A	Yellow	Y		-	2.1	2.6	10	330	500	-	585	590	595	100
OSY5JA3VA1A	Yellow	Y		-	2.1	2.6	10	100	150	-	585	590	595	100
OSO5PA3VA1A	Orange	O		-	2.1	2.6	10	330	500	-	600	605	610	100
OSO5JA3VA1A	Orange	O		-	2.1	2.6	10	100	150	-	600	605	610	100
OSR5PA3VA1A	Red	R		-	2.1	2.6	10	330	500	-	620	625	630	100
OSR5JA3VA1A	Red	R		-	2.1	2.6	10	100	150	-	620	625	630	100

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

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

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

*4 Tolerance of measurements of Color Temperature is ±10%