

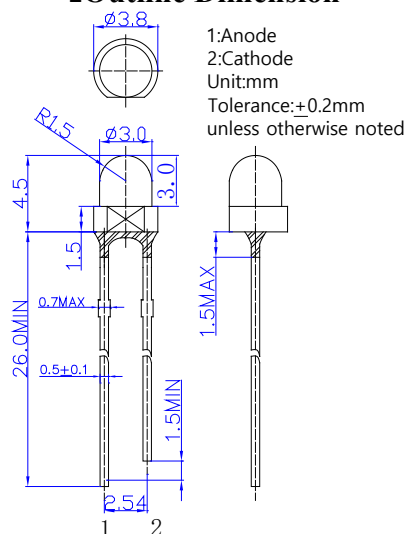
■Features

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

■Applications

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

■Outline Dimension

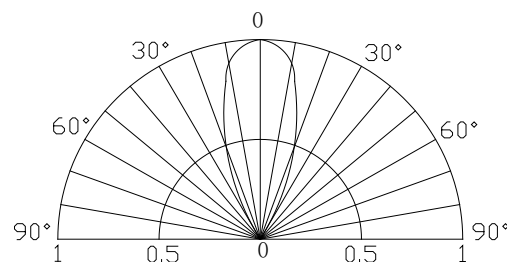


■Absolute Maximum Rating (Ta=25°C)

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	Topr	-30 ~ +85		°C
Storage Temperature	Tstg	-40 ~ +100		°C
Lead Soldering Temperature	Tsol	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)*1			I _R (μA)	I _v (mcd)*2			λ _D (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			I _F =20mA			
OSW5YK3V41A	Cool White	W		-	2.9	3.4	10	3000	4200	-	8500-18000K(X:0.27,Y:0.28)			40
OSW4YK3V41A	Pure White	W		-	2.9	3.4	10	3000	4200	-	5500-8500K(X:0.31,Y:0.33)			40
OSM5YK3V41A	Warm White	M		-	2.9	3.4	10	2180	3000	-	2700-3200K(X:0.45,Y:0.41)			40
OSB5YU3V41A	Blue	B		-	2.9	3.4	10	500	750	-	465	470	475	40
OSG5TA3V41A	Pure Green	PG		-	2.9	3.4	10	3000	4200	-	520	525	530	40
OSG8HA3V41A	Yellow Green	YG		-	2.1	2.6	10	220	330	-	565	570	575	40
OSY5JA3V41A	Yellow	Y		-	2.1	2.6	10	500	750	-	585	590	595	40
OSO5JA3V41A	Orange	O		-	2.1	2.6	10	500	750	-	600	605	610	40
OSR5JA3V41A	Red	R		-	2.1	2.6	10	500	750	-	620	625	630	100
OSR6LU3V41A	Red	R		-	2.1	2.6	10	220	330	-	630	640	650	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%