

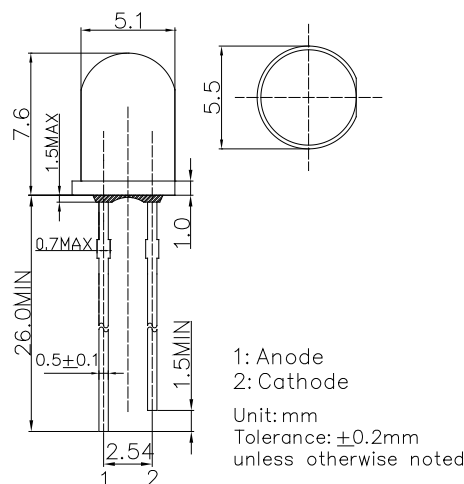
■ Features

- High Luminous LEDs
- 5mm Standard Directivity
- UV Resistant Epoxy
- Water Clear

■ Applications

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

■ Outline Dimension

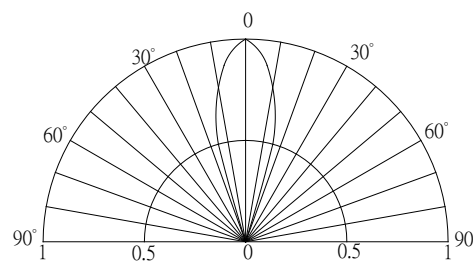


■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/M/B/PG	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)			I_R (μA)	I_v (mcd)			λ_D (nm)			$\theta_{1/2}$ (deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=20$ mA			$V_R=5$ V	$I_F=20$ mA			$I_F=20$ mA			
OSW54K5L31A	White	W		-	2.9	3.4	10	12000	14400	-	8500-18000K(X:0.27,Y:0.28)			30
OSM54K5L31A	Warm White	M		-	2.9	3.4	10	12000	14400	-	2700-3200K(X:0.45,Y:0.41)			30
OSB5DA5L31A	Blue	B		-	2.9	3.4	10	4200	5800	-	465	30	475	30
OSG58A5L31A	Pure Green	PG		-	2.9	3.4	10	12000	14400	-	520	30	530	30
OSY5PA5L31A	Yellow	Y		-	2.1	2.6	10	5800	7000	-	585	30	595	30
OSO5PA5L31A	Orange	O		-	2.1	2.6	10	5800	7000	-	600	30	610	30
OSR5PA5L31A	Red	R		-	2.1	2.6	10	5800	7000	-	620	30	630	30

*1 Tolerance of measurements of chromaticity coordinate is $\pm 10\%$

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

*3 Tolerance of measurements of luminous intensity is $\pm 15\%$

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

LED & Application Technologies

