

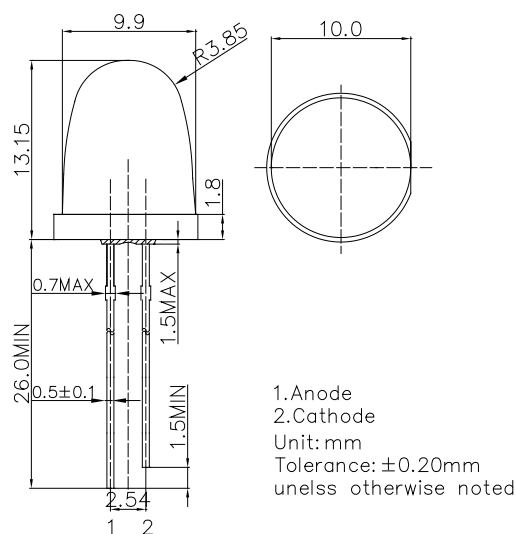
■Features

- High Lumen LEDs
- 10mm Bullet Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

- Advertising Board
- Horticulture Application
- Beauty Product

■Outline Dimension

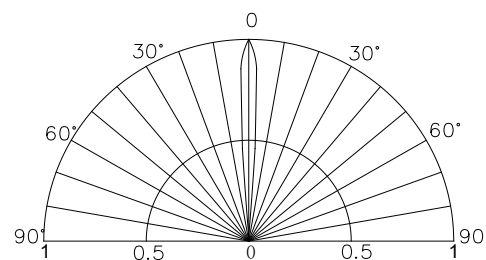


■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		W/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}	$-30 \sim +85$		°C
Storage Temperature	T_{stg}	$-40 \sim +100$		°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	Emitting Color			V_F (V)*			I_R (μA)	Φ_V (LM)*			I_v (mcd)*			W_d (nm)* / CCT (K)*			$2\theta_{1/2}$ (deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=30\text{mA}$			$V_R=5\text{V}$	$I_F=30\text{mA}$									
OSW44PA201A	Pure White	W		-	2.9	3.4	10	8.5	10	-	100000	120000	-	5500-8500K(X:0.31,Y:0.33)			8
OSM54PA201A	Warm White	M		-	2.9	3.4	10	8.5	10	-	100000	120000	-	2700-3200K(X:0.44,Y:0.41)			8
OSB56PA201A	Blue	B		-	2.9	3.4	10	2.5	3.0	-	43000	50000	-	465	470	475	8
OSG5GPA201A	Pure Green	PG		-	2.9	3.4	10	9	10	-	120000	140000	-	520	525	530	8
OS5YKPA201A	Yellow	Y		-	2.1	2.6	10	3.5	4.5	-	85000	100000	-	585	590	595	8
OS5OKPA201A	Orange	O		-	2.1	2.6	10	3.5	4.5	-	85000	100000	-	600	605	610	8
OS5RKPA201A	Red	R		-	2.1	2.6	10	3.5	4.5	-	85000	100000	-	620	625	630	8

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

*2 Tolerance of measurements of dominant wavelength is $\pm 1\text{nm}$

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

*4 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$