

■ Features

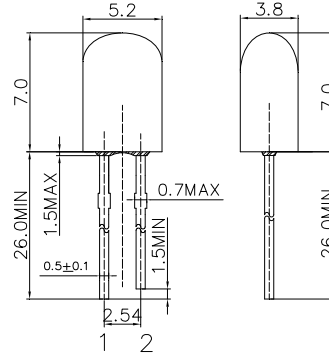
- High Luminous Oval LED
- Long Lifetime Operation
- UV Resistant Epoxy
- Water Clear Type

■ Applications

- Electronic Signs & Signals
- Full-Color Video Screen
- Motorway Signs
- Variable-Message Sign (VMS)

■ Outline Dimension

1. Anode
2. Cathode
Unit: mm
Tolerance: $\pm 0.20\text{mm}$
unless otherwise noted

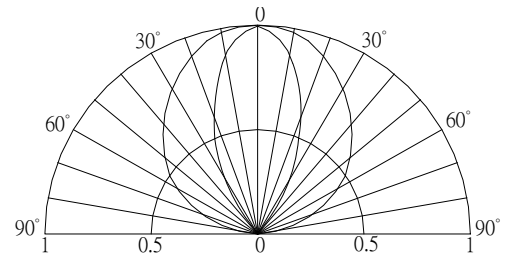


■ Absolute Maximum Rating

($T_a=25^\circ\text{C}$)

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		$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 ~ +100		$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	260 $^\circ\text{C}$ /5sec		-

■ Directivity



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

■ Electrical -Optical Characteristics

($T_a=25^\circ\text{C}$)

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.	
						$I_F=20\text{mA}$			$V_R=5\text{V}$	$I_F=20\text{mA}$			
OSW54KA5JA1B	Cool White	W	-	2.9	3.4	10	7000	8400	-	8000-18000K (X:0.27,Y:0.28)			100/40
OSM54KA5JA1B	Warm White	M	-	2.9	3.4	10	5800	7000	-	2700-3300K(X:0.45,Y:0.41)			100/40
OSB5DA5JA1B	Blue	B	-	2.9	3.4	10	3000	4200	-	465	470	475	100/40
OSG58A5JA1B	Pure Green	PG	-	2.9	3.4	10	7000	8400	-	520	525	530	100/40
OSY5PA5JA1B	Yellow	Y	-	2.1	2.6	10	4200	5800	-	585	590	595	100/40
OSO5PA5JA1B	Orange	O	-	2.1	2.6	10	4200	5800	-	600	605	610	100/40
OSR5PA5JA1B	Red	R	-	2.1	2.6	10	4200	5800	-	620	625	630	100/40

*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 intensity is $\pm 15\%$
 *4 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$