

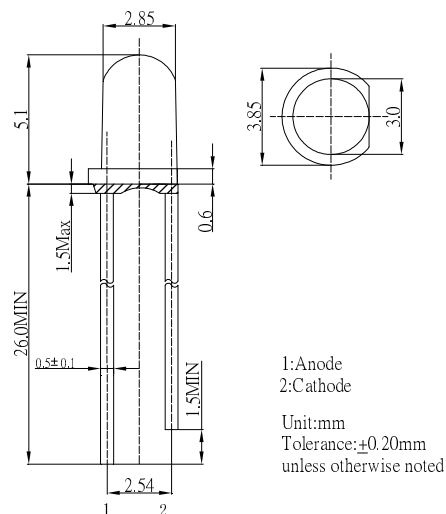
■ Features

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

■ Applications

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

■ Outline Dimension



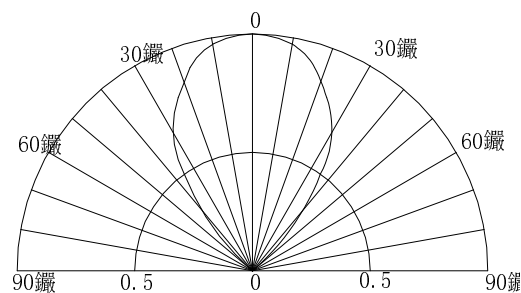
■ Absolute Maximum Rating

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

Item	Symbol	Value		Unit
		W/M/PG/B	R/Y/YG	
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	108	78	mW
Operating Temperature	T_{opr}	$-30 \sim +85$		$^\circ\text{C}$
Storage Temperature	T_{stg}	$-40 \sim +100$		$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	$260^\circ\text{C}/5\text{sec}$		-

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

■ Directivity



■ Electrical -Optical Characteristics

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

Part Number	Color			V_F (V)			I_R (μA)	I_v (mcd)			W_d (nm)*			$2\theta_{1/2}$ (deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F = 20\text{mA}$			$V_R = 5\text{V}$	$I_F = 20\text{mA}$			$I_F = 20\text{mA}$			
OSW4YK3Z71A	White	W		2.8	3.1	3.6	10	2180	3000	-	CCT: typ.6500K			70
OSM5YK3Z71A	Warm White	M		2.8	3.1	3.6	10	1560	2180	-	CCT: typ.3000K			70
OSB5YU3Z71A	Blue	B		2.8	3.1	3.6	10	500	750	-	465	470	475	70
OSG5TA3Z71A	Pure Green	PG		2.8	3.1	3.6	10	1560	2180	-	520	525	530	70
OSG8HA3Z71A	Yellow Green	YG		1.8	2.1	2.6	10	150	220	-	565	570	575	70
OSY5JA3Z71A	Yellow	Y		1.8	2.1	2.6	10	500	750	-	585	590	595	70
OSR5JA3Z71A	Red	R		1.8	2.1	2.6	10	500	750	-	620	625	630	70

*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 $\pm 0.1\text{V}$