

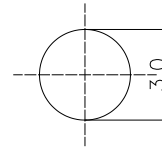
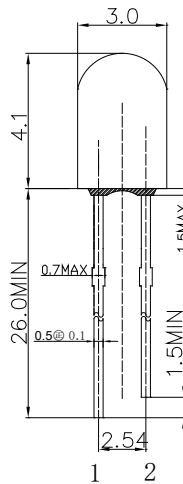
■Features

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

■Applications

- Traffic signal
- Backlighting
- Signal and channel letter
- Beauty product

■Outline Dimension



1: Anode
2: Cathode

Unit: mm
Tolerance: ± 0.20 mm
unless otherwise noted

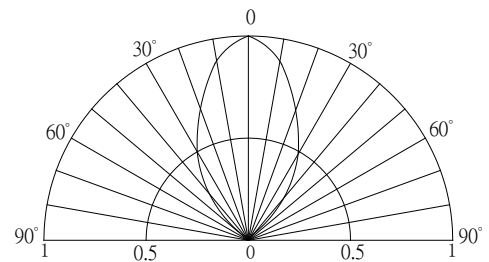
■Absolute Maximum Rating

(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		-

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

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color			V_F (V)*			I_R (μA)	Φ_V (LM)*			I_v (cd)*			W_d (nm)/CCT(K)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=30$ mA			$V_R=5$ V	$I_F=30$ mA			$I_F=30$ mA			$I_F=30$ mA			
OSW44P3761B	Pure White	W		-	2.9	3.4	10	8.5	10	-	8.4	10	-	5500-8500K(X:0.31,Y:0.33)			60
OSM54P3761B	Warm White	M		-	2.9	3.4	10	8.5	10	-	8.4	10	-	2700-3200K(X:0.44,Y:0.41)			60
OSB56P3761B	Blue	B		-	2.9	3.4	10	2.5	3.0	-	2.18	3.0	-	465	470	475	60
OSG5GP3761B	Pure Green	PG		-	2.9	3.4	10	8.5	10	-	10	12	-	520	525	530	60
OS5YKP3761B	Yellow	Y		-	2.1	2.6	10	3.5	4.5	-	2.18	3.0	-	585	590	595	60
OS5OKP3761B	Orange	O		-	2.1	2.6	10	3.5	4.5	-	2.18	3.0	-	600	605	610	60
OS5RKP3761B	Red	R		-	2.1	2.6	10	3.5	4.5	-	2.18	3.0	-	620	625	630	60

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

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

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

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