

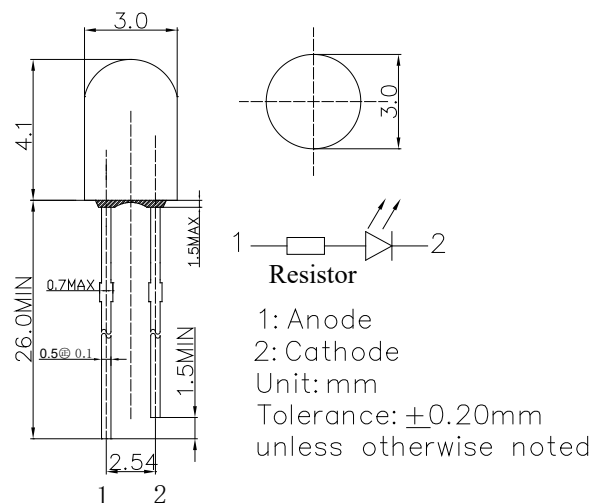
■Features

- High Luminous LEDs
- 3mm Round Standard Directivity
- UV Resistant Epoxy
- Integral Current Limiting Resistor
- TTL Compatible (Requires No External Current Limiter With 12Volt Supply)
- Cost Effective (Saves Space and Resistor Cost)
- Water Clear Type

■Applications

- Status
- Other Lighting

■Outline Dimension

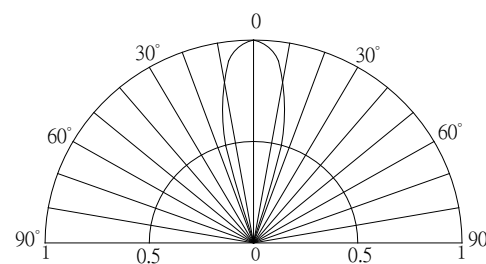


■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Voltage	V_F	15	V
Reverse Voltage	V_R	12	V
Power Dissipation	P_D	225	mW
Operating Temperature	T_{opr}	-30 ~ +85	°C
Storage Temperature	T_{stg}	-30 ~ +85	°C
Lead Soldering Temperature	T_{sol}	260°C/5sec	-

■Directivity



■Electrical -Optical Characteristics (Ta=25°C)

Part Number	Color			I_F (mA)*			I_v (mcd)*			λ_D (nm)*			2θ1/2(deg)
				Min	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$V_F = 12V$			$V_F = 12V$			$V_F = 12V$			
OSW5DK3761B-12V	White	W		-	10	15	2180	3000	-	X=0.27, Y=0.28(CCT:8500-18000K)			60
OSM5DK3761B-12V	Warm White	M		-	10	15	1560	2180	-	X=0.44, Y=0.41(CCT:2700-3300K)			60
OSB5SA3761B-12V	Blue	B		-	10	15	1120	1560	-	465	470	475	60
OSG5DA3761B-12V	Pure Green	G		-	10	15	2180	3000	-	520	525	530	60
OSY5PA3761B-12V	Yellow	Y		-	10	15	1560	2180	-	585	590	595	60
OSO5PA3761B-12V	Orange	O		-	10	15	1560	2180	-	600	605	610	60
OSR5PA3761B-12V	Red	R		-	10	15	1560	2180	-	620	625	630	60

*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 $\pm 0.1V$