OptoSupply
Light It Up

Super Deluxe Power 5mm Round LED

OSXXKA5B61P

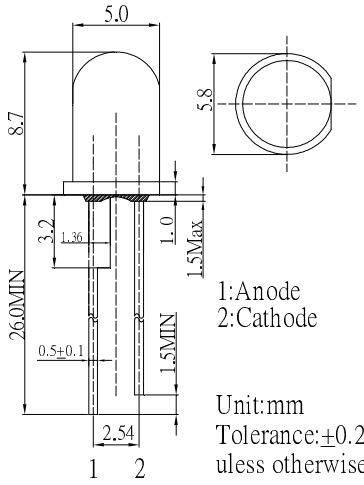
■Features

- High Lumen Output
- 5mm Round Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

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

■Outline Dimension

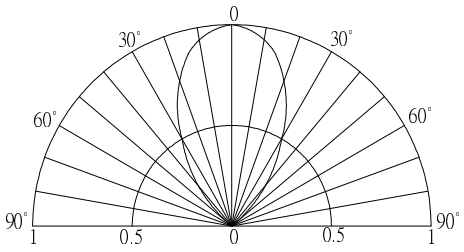


■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	70	mA
Pulse Forward Current#	I_{FP}	120	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	196	mW
Operating Temperature	Topr	-30 ~ +85	℃
Storage Temperature	Tstg	-40~ +100	℃
Lead Soldering Temperature	Tsol	260℃/5sec	-

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

■Directivity



■Electrical -Optical Characteristics (Ta=25℃)

Part Number	Color			V_F (V)			I_R(μA)	ΦV (LM)			Iv (mcd)			Wd(nm)			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ	Max.	Min.	Typ	Max.	Min.	Typ.	Max.	Typ.
				I_F=60mA			V_R=5V	I_F=60mA									
OS6YKA5B61P	Yellow	Y		-	2.3	2.8	10	5	7	-	40000	48000	-	590	595	600	60
OS5OKA5B61P	Orange	O		-	2.3	2.8	10	5	7	-	40000	48000	-	600	605	610	60
OS5RKA5B61P	Red	R		-	2.3	2.8	10	5	7	-	40000	48000	-	620	625	630	60

*1 Tolerance of measurements of forward voltage is ±0.1V
*2 Tolerance of measurements of luminous flux is ±15%
*3 Tolerance of measurements of luminous intensity is ±15%
*4 Tolerance of measurements of dominant wavelength is ±1nm