

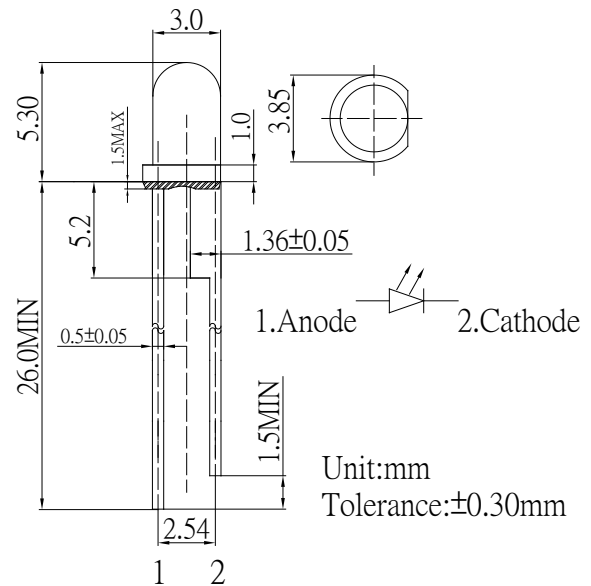
■Features

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

■Applications

- Electronic Signs and Signals
- Small Area Illuminations
- Back Lighting
- General Lighting

■Outline Dimension

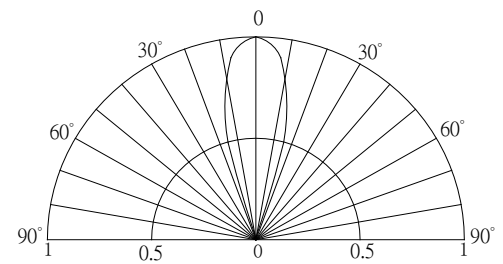


■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	80	mA
Pulse Forward Current#	I_{FP}	120	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	288	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 (mcd)			/CCT(K)			$2\theta_{1/2}$ (deg)
		Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
		$I_F=75mA$			$V_R=5V$	$I_F=75mA$									
OSW57L3131P	Cool White	-	3.2	3.6	10	18	20	-	43000	50000	-	8500-10000-18000K (X:0.27,Y:0.28)			30
OSW47L3131P	Pure White	-	3.2	3.6	10	18	20	-	43000	50000	-	5500-6500-8500K (X:0.31,Y:0.34)			30
OSM57L3131P	Warm White	-	3.2	3.6	10	17	19	-	43000	50000	-	2700-3000-3200K (X:0.44,Y:0.41)			30

*1 Tolerance of measurements of forward voltage is $\pm 0.1V$

*2 Tolerance of measurements of luminous flux is $\pm 15\%$

*3 Tolerance of measurements of luminous intensity is $\pm 15\%$

*4 Tolerance of measurements of color temperature is $\pm 10\%$

*5 Tolerance of measurements of chromaticity coordinates is $\pm 10\%$