

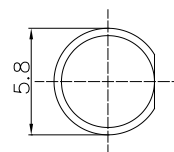
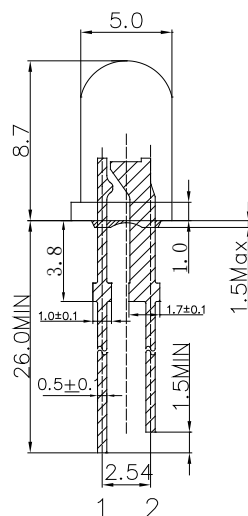
■Features

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

■Applications

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

■Outline Dimension



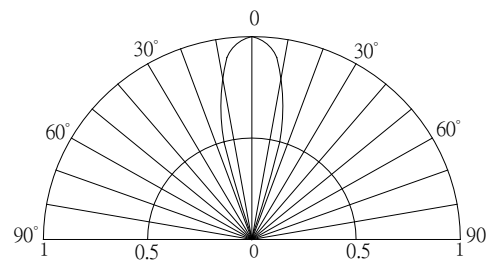
1: Anode
 2: Cathode
 Unit: mm
 Tolerance: ± 0.20 mm
 unless otherwise noted

■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
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	-

■Directivity



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

■Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color			V_F (V)			I_R (μA)	Φ_V (LM)			I_v (mcd)			W_d (nm)/CCT(K)			$2\theta_{1/2}$ (deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=75$ mA			$V_R=5$ V				$I_F=75$ mA						
OSW57L5A31Y	Cool White	W		-	3.2	3.6	10	18	20	-	37500	45000	-	8500-18000K(X:0.27,Y:0.28)			30
OSW47L5A31Y	Pure White	W		-	3.2	3.6	10	18	20	-	37500	45000	-	5500-8500K(X:0.31,Y:0.34)			30
OSM77L5A31Y	Neutral White	M		-	3.2	3.6	10	17	19	-	37500	45000	-	4000-5000K(X:0.37,Y:0.38)			30
OSM57L5A31Y	Warm White	M		-	3.2	3.6	10	17	19	-	37500	45000	-	2700-3200K(X:0.44,Y:0.41)			30
OSB57L5A31Y	Blue	B		-	3.2	3.6	10	4	5	-	22000	25000	-	465	470	475	30
OSG59L5A31Y	Pure Green	PG		-	3.2	3.6	10	15	18	-	66000	80000	-	520	525	530	30

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

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

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

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