

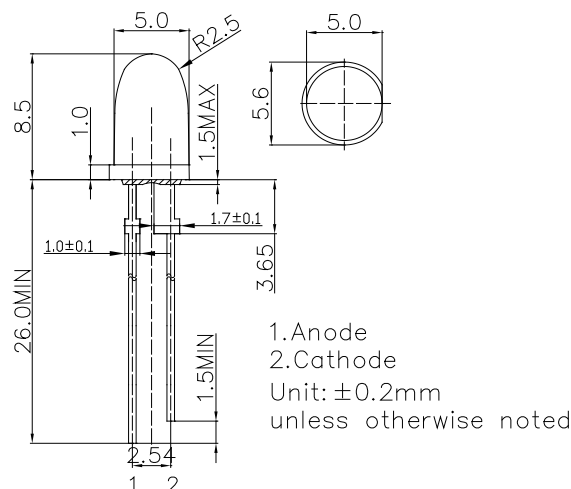
■Features

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

■Applications

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

■Outline Dimension

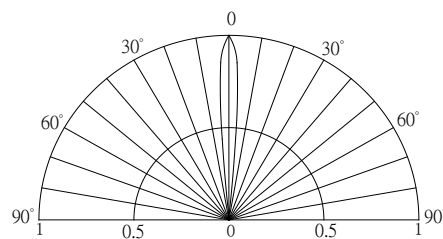


■Absolute Maximum Rating

(Ta=25°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)	I _v (mcd)*			Wd(nm)/CCT(K)*			2θ1/2(deg)	
			Min.	Typ.	Max.	Max.	Min.	Typ	Max.	Min.	Typ.	Max.	Typ.	
			I _F =75mA			V _R =5V	I _F =75mA							
OSW57L5201Y	Cool White		-	3.2	3.6	10	110000	130000	-	8500-18000K(X:0.27,Y:0.28)			8	
OSW47L5201Y	Pure White		-	3.2	3.6	10	110000	130000	-	5500-8500K(X:0.31,Y:0.34)			8	
OSM57L5201Y	Warm White		-	3.2	3.6	10	100000	120000	-	2700-3200K(X:0.44,Y:0.41)			8	
OSB56L5201Y	Blue		-	3.2	3.6	10	60000	70000	-	465	470	475	8	
OSG59L5201Y	Pure Green		-	3.2	3.6	10	180000	200000	-	520	525	530	8	

*1 Tolerance of measurements of chromaticity coordinate/CCT is ±10%

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

*3 Tolerance of measurements of luminous intensity is ±15%

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