

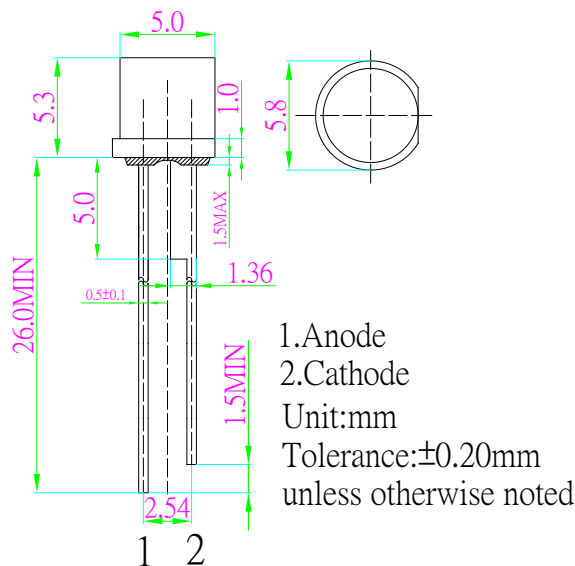
■Features

- High Luminous Flux
- 5mm Flat Top Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

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

■Outline Dimension



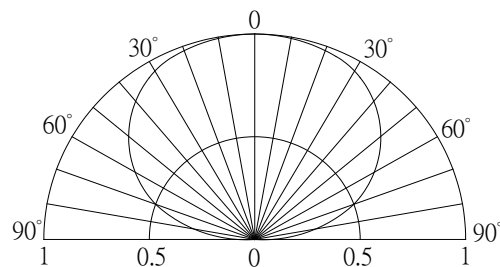
■Absolute Maximum Rating

(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	-

#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)			Wd(nm)/CCT(K)			2θ1/2(deg)
				Min.	Typ.	Max.	Max.		Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =75mA			V _R =5V					I _F =75mA						
OSW47L57E1P	Pure White	W		-	3.2	3.6	10	18	20	-	10000	12000	-	5500-8500K(X:0.31,Y:0.34)				140
OSM57L57E1P	Warm White	M		-	3.2	3.6	10	17	19	-	10000	12000	-	2700-3200K(X:0.44,Y:0.41)				140
OSB56L57E1P	Blue	B		-	3.2	3.6	10	4	5	-	4200	5800	-	465	470	475		140
OSG59L57E1P	Pure Green	PG		-	3.2	3.6	10	15	18	-	12000	14400	-	520	525	530		140

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

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

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

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