

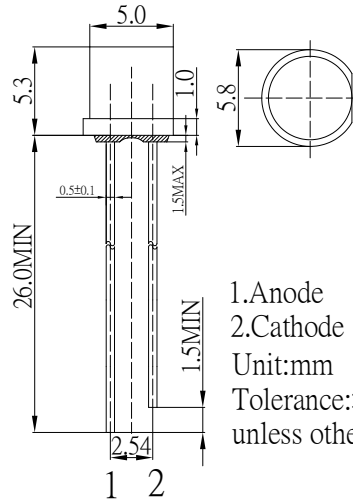
■ Features

- High Luminous LEDs
- 5mm Flat Top Standard Directivity
- UV Resistant Epoxy
- Specified at IF = 1 mA
- Water Clear Type

■ Applications

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

■ Outline Dimension



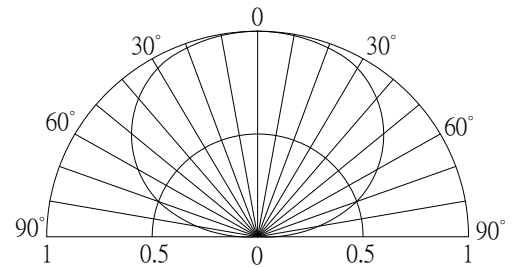
1. Anode
2. Cathode
Unit: mm
Tolerance: ±0.20mm
unless otherwise noted

■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/M/B/PG	Y/O/R	
DC Forward Current	IF	30	30	mA
Pulse Forward Current#	IFP	100	100	mA
Reverse Voltage	VR	5	5	V
Power Dissipation	PD	102	66	mW
Operating Temperature	Topr	-30 ~ +85		°C
Storage Temperature	Tstg	-40 ~ +100		°C
Lead Soldering Temperature	Tsol	260°C/5sec		-

■ Directivity



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

■ Electrical -Optical Characteristics

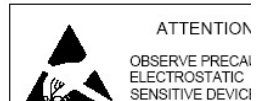
(Ta=25°C)

Part Number	Color			VF (V)			IR(μA)	Iv(mcd)			λD(nm)			θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				IF=1mA			VR=5V	IF=1mA						
OSW54K57E1A-1MA	White	W		-	2.8	3.4	10	150	220	-	8500-18000K(X:0.27,Y:0.28)			140
OSM54K57E1A-1MA	Warm White	M	☐	-	2.8	3.4	10	100	150	-	2700-3200K(X:0.45,Y:0.41)			140
OSB5DA57E1A-1MA	Blue	B	☐	-	2.8	3.4	10	68	100	-	465	470	475	140
OSG58A57E1A-1MA	Pure Green	PG	☐	-	2.8	3.4	10	150	220	-	520	525	530	140
OSY5PA57E1A-1MA	Yellow	Y	☐	-	1.8	2.2	10	68	100	-	585	590	595	140
OSO5PA57E1A-1MA	Orange	O	☐	-	1.8	2.2	10	68	100	-	600	605	610	140
OSR5PA57E1A-1MA	Red	R	☐	-	1.8	2.2	10	68	100	-	620	625	630	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 intensity is ±15% *4 Tolerance of measurements of forward voltage is ±0.1V

LED & Application Technologies



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