

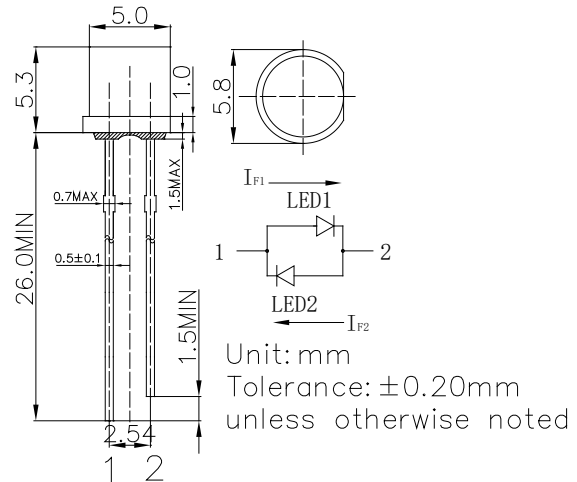
■Features

- High Luminous LEDs
- 5mm Flat Top Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- Water Clear Type
- Bi-polar Type

■Applications

- Toys
- Audio
- Games
- Other Lighting

■Outline Dimension



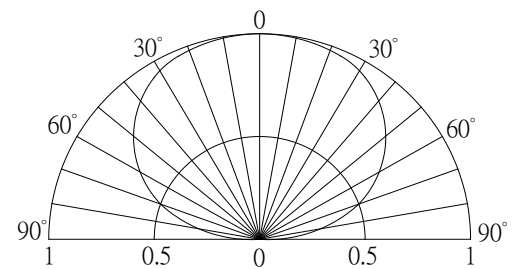
■Absolute Maximum Rating

($T_a=25^\circ\text{C}$)

Item	Symbol	Value		Unit
		W/M/B/PG	Y/O/R	
DC Forward Current	I_F	30	30	mA
Pulse Forward Current#	I_{FP}	100	100	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	102	78	mW
Operating Temperature	T_{opr}	$-30 \sim +85$		$^\circ\text{C}$
Storage Temperature	T_{stg}	$-40 \sim +100$		$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	$260^\circ\text{C}/5\text{sec}$		-

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

■Directivity



■Electrical -Optical Characteristics

($T_a=25^\circ\text{C}$)

Part Number	Color			V_F (V)*			I_v (mcd)*			λ_D (nm)/CCT(K)*			$\theta_{1/2}$ (deg)
				Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=20\text{mA}$			$I_F=20\text{mA}$			$I_F=20\text{mA}$			
OSWWD257E1A	Cool White	W		2.7	2.9	3.4	1120	1560	-	CCT: 8500-18000K			140
OSMMD257E1A	Warm White	M		2.7	2.9	3.4	750	1120	-	CCT:2700-3300K			140
OSBBS257E1A	Blue	B		2.7	2.9	3.4	330	500	-	465	470	475	140
OSPPD257E1A	Pure Green	PG		2.7	2.9	3.4	1560	2180	-	520	525	530	140
OSYYP257E1A	Yellow	Y		1.8	2.1	2.6	500	750	-	585	590	595	140
OSOOP257E1A	Orange	O		1.8	2.1	2.6	500	750	-	600	605	610	140
OSRRP257E1A	Red	R		1.8	2.1	2.6	500	750	-	620	625	630	140

*1 Tolerance of measurements of domi. wavelength is $\pm 1\text{nm}$

*2 Tolerance of measurements of chromaticity coordinates/CCT is $\pm 10\%$

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

*4 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$