

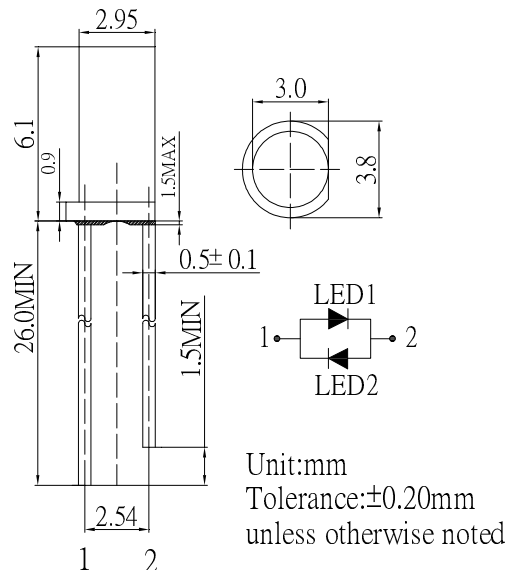
■ Features

- High Luminous LEDs
- 3mm Cylindrical Flat Top Standard Directivity
- UV Resistant Epoxy
- Color Diffused / W&M: White Diffused
- AC LED

■ Applications

- Toys
- Audio
- Games
- Other Lighting

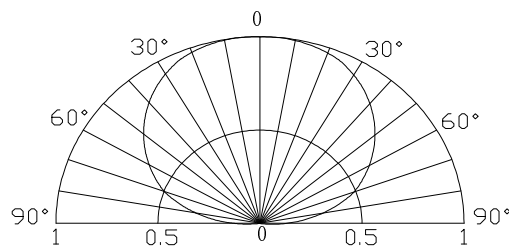
■ Outline Dimension



■ Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		W/M/B/PG	YG/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 ~ +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

Part Number	Color			V _F (V)			I _v (mcd)			λD(nm)/CCT(K)			θ1/2(deg)
				Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =20mA			I _F =20mA			I _F =20mA			
OSWWD23NE2A	White	W		2.7	2.9	3.4	750	1120	-	CCT: 8500-18000K			140
OSMMD23NE2A	Warm White	M		2.7	2.9	3.4	750	1120	-	CCT:2700-3300K			140
OSBBS23NE4A	Blue	B		2.7	2.9	3.4	330	500	-	465	465	475	140
OSPPD23NE4A	Pure Green	PG		2.7	2.9	3.4	750	1120	-	520	525	530	140
OSGGH23NE4A	Yellow Green	YG		1.8	2.1	2.6	68	100	-	565	570	575	140
OSYYR23NE4A	Yellow	Y		1.8	2.1	2.6	150	220	-	585	590	595	140
OSOOJ23NE4A	Orange	O		1.8	2.1	2.6	150	220	-	600	605	610	140
OSRRR23NE4A	Red	R		1.8	2.1	2.6	150	220	-	620	625	630	140

*1 Tolerance of measurements of Domi. wavelength is ±1nm

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

*2 Tolerance of measurements of chromaticity coordinates is +10%

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