OptoSupply
Light It Up

3mm Flat Top Diffused LED

OSXXXX3NEXA

Ver.a.1.1

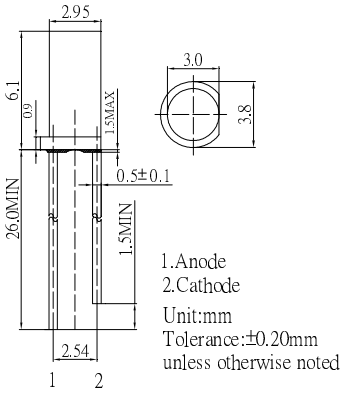
■Features

- High Luminous LEDs
- 3mm Flat Standard Directivity
- Long Lifetime Operation
- Superior Weather-resistance
- UV Resistant Epoxy
- Color Diffused Type (W/M: White Diffused)

■Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting/ Other Lighting

■Outline Dimension

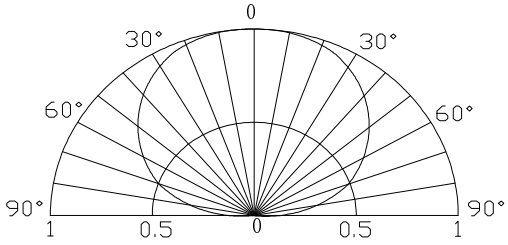


■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value		Unit
		W/M/BL/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	108	78	mW
Operating Temperature	Topr	-30 ~ +85		℃
Storage Temperature	Tstg	-40~ +100		℃
Lead Soldering Temperature	Tsol	260℃/5sec		-

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

■Directivity



■Electrical -Optical Characteristics (Ta=25℃)

Part Number	Color			V_F (V)			I_R(μA)	Iv(mcd)			Wd(nm)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I_F=20mA			V_R=5V	I_F=20mA						
OSW5DK3NE2A	Cool White	W		2.7	2.9	3.4	10	1120	1560	-	8500-18000K(X:0.27,Y:0.28)			140
OSM5DK3NE2A	Warm White	M		2.7	2.9	3.4	10	750	1120	-	2700-3200K(X:0.44,Y:0.41)			140
OSB5SA3NE4A	Blue	BL		2.8	3.1	3.6	10	220	330	-	465	470	475	140
OSG5DA3NE4A	Pure Green	PG		2.8	3.1	3.6	10	750	1120	-	520	525	530	140
OSY5JA3NE4A	Yellow	Y		1.8	2.1	2.6	10	68	100	-	585	590	595	140
OSY5PA3NE4A	Yellow	Y		1.8	2.1	2.6	10	330	500	-	585	590	595	140
OSO5JA3NE4A	Orange	O		1.8	2.1	2.6	10	100	150	-	600	605	610	140
OSO5PA3NE4A	Orange	O		1.8	2.1	2.6	10	330	500	-	600	605	610	140
OSR5JA3NE4A	Red	R		1.8	2.1	2.6	10	68	100	-	620	625	630	140
OSR5PA3NE4A	Red	R		1.8	2.1	2.6	10	330	500	-	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

ISO 9001: 2008

RoHS Compliant

REACH The new EU chemicals legislation

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES