

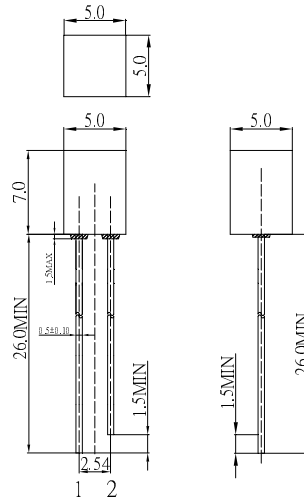
■Features

- High Luminous Intensity
- 5.0*5.0*7.0mm Standard Directivity
- Long Lifetime Operation
- Superior UV Resistance
- White Diffused 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

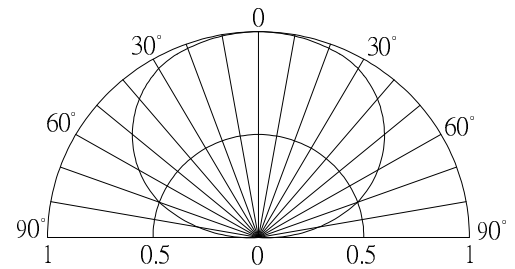
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/M/B/PG	R/O/Y/YG	
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	-40 ~ +85		°C
Storage Temperature	Tstg	-40 ~ +85		°C
Lead Soldering Temperature	Tsol	260°C/5sec		-

#Pulse width Max 0.1ms, Duty ratio max 1/10

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color		V _F (V)			I _R (μA)	I _v (mcd)*			λD(nm)*			2θ1/2(deg)
			Min.	Typ.	Max.		Max.	Min.	Typ.	Max.	Min.	Typ.	
			I _F =20mA			V _R =5V		I _F =20mA					
OSW5YK7NE2B	White	W	2.8	3.1	3.6	10	500	750	-	CCT:8000-18000K			140
OSM5YK7NE2B	Warm White	M	2.8	3.1	3.6	10	330	500	-	CCT:2700-3200K			140
OSB5YU7NE2B	Blue	B	2.8	3.1	3.6	10	220	330	-	465	470	475	140
OSG5TA7NE2B	Pure Green	PG	2.8	3.1	3.6	10	500	750	-	520	525	530	140
OSG8HA7NE2B	Yellow Green	YG	1.8	2.1	2.6	10	100	150	-	565	570	575	140
OSY5JA7NE2B	Yellow	Y	1.8	2.1	2.6	10	150	220	-	585	590	595	140
OSO5JA7NE2B	Orange	O	1.8	2.1	2.6	10	150	220	-	600	605	610	140
OSR5JA7NE2B	Red	R	1.8	2.1	2.6	10	150	220	-	620	625	630	140

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

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

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

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