

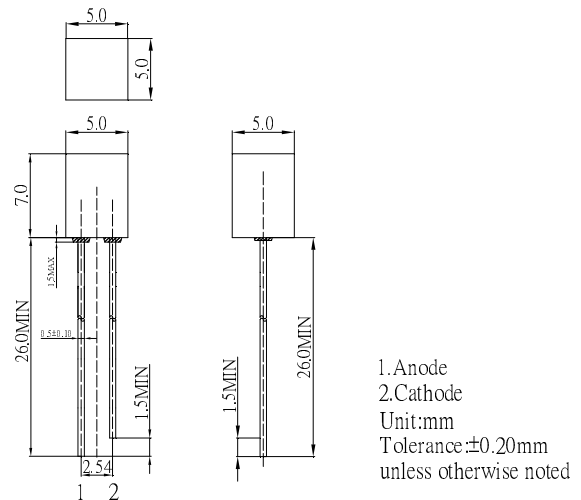
■Features

- High Luminous Intensity
- 5.0*5.0*7.0mm Standard Directivity
- Long Lifetime Operation
- Superior UV Resistance
- Water Clear Type

■Applications

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

■Outline Dimension



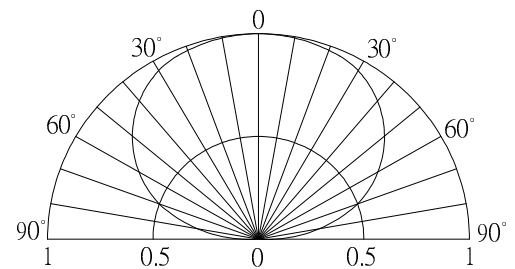
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/M/B/PG	R/Y	
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.		Min.	Typ.	Max.	Min.	Typ.	Max.	
			I _F =20mA			V _R =5V			I _F =20mA				
OSW5DK7NE1B	White	W	2.8	3.1	3.6	10	1560	1800	-	8000-18000K(X:0.27,Y:0.28)			140
OSM5DK7NE1B	Warm White	M	2.8	3.1	3.6	10	750	1120	-	2700-3200K(X:0.45,Y:0.41)			140
OSB5SA7NE1B	Blue	B	2.8	3.1	3.6	10	330	500	-	455	460	465	140
OSG5DA7NE1B	Pure Green	PG	2.8	3.1	3.6	10	1560	2000	-	520	525	530	140
OSY5RU7NE1B	Yellow	Y	1.8	2.1	2.6	10	220	330	-	585	590	595	140
OSY5PA7NE1B	Yellow	Y	1.8	2.1	2.6	10	750	1000	-	585	590	595	140
OSR5RU7NE1B	Red	R	1.8	2.1	2.6	10	220	330	-	620	625	630	140
OSR5PA7NE1B	Red	R	1.8	2.1	2.6	10	750	1000	-	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