

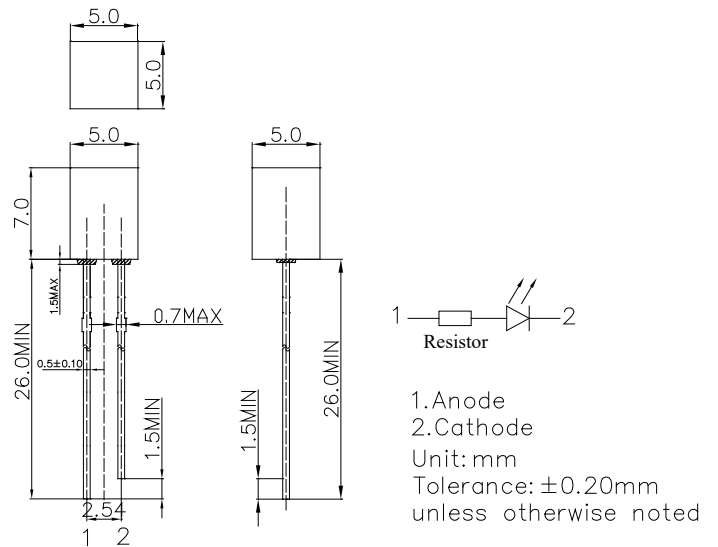
**■ Features**

- High Luminous LEDs
- 5x5x7mm Standard Directivity
- UV Resistant Epoxy
- Integral Current Limiting Resistor
- TTL Compatible (Requires no external current limiter with 12 Volt Supply)
- Cost Effective (Saves space and resistor cost)
- Water Clear Type

**■ Applications**

- Status Indicators
- Other Lighting

**■ Outline Dimension**

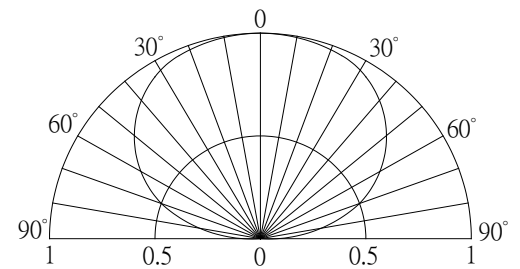


**■ Absolute Maximum Rating**

(Ta=25°C)







Item	Symbol	Value	Unit
DC Forward Voltage	V <sub>F</sub>	15	V
Reverse Voltage	V <sub>R</sub>	12	V
Power Dissipation	P <sub>D</sub>	225	mW
Operating Temperature	Topr	-30 ~ +85	°C
Storage Temperature	Tstg	-30 ~ +85	°C
Lead Soldering Temperature	Tsol	260°C/5sec	-

**■ Directivity**



**■ Electrical -Optical Characteristics**

(Ta=25°C)

Part Number	Color			I <sub>F</sub> (mA)			I <sub>v</sub> (mcd)*			λD(nm)*			2θ1/2(deg)
				Min	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				V <sub>F</sub> =12V			V <sub>F</sub> =12V						
OSW5DK7NE1B-12V	White	W		-	10	15	750	1120	-	X=0.27, Y=0.28(8500-18000K)			140
OSM5DK7NE1B-12V	Warm White	M		-	10	15	750	1120	-	X=0.44, Y=0.41(2700-3300K)			140
OSB5SA7NE1B-12V	Blue	B		-	10	15	220	330	-	465	470	475	140
OSG5DA7NE1B-12V	Pure Green	PG		-	10	15	750	1120	-	520	525	530	140
OSYPA7NE1B-12V	Yellow	Y		-	10	15	500	750	-	585	590	595	140
OSO5PA7NE1B-12V	Orange	O		-	10	15	500	750	-	600	605	610	140
OSR5PA7NE1B-12V	Red	R		-	10	15	500	750	-	620	625	630	140

\*1 Tolerance of measurements of Domi. wavelength is ±1nm  
 \*2 Tolerance of measurements of chromaticity coordinates is ±10%  
 \*3 Tolerance of measurements of luminous intensity is ±15%  
 \*4 Tolerance of measurements of forward voltage is ±0.1V