

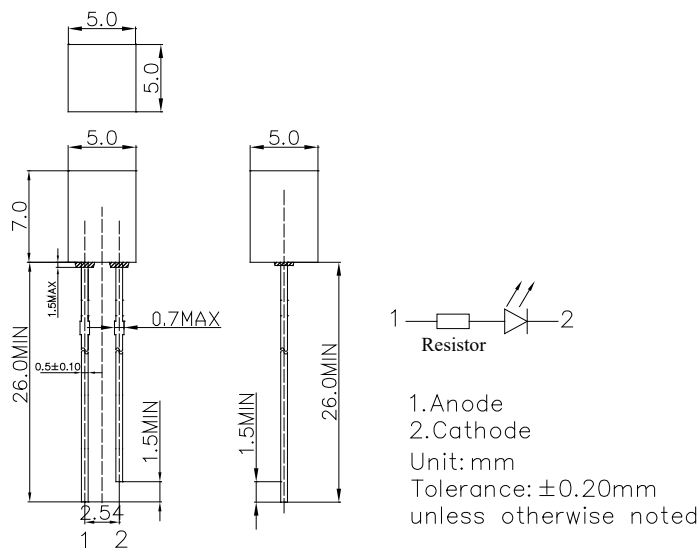
■ Features

- 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

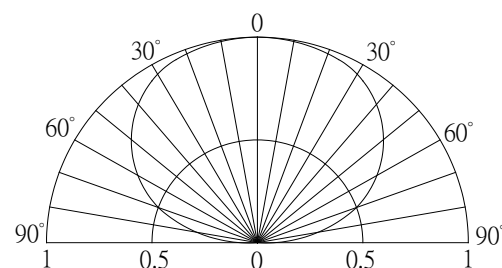


■ Absolute Maximum Rating

($T_a=25^\circ\text{C}$)

Item	Symbol	Value	Unit
DC Forward Voltage	V_F	15	V
Reverse Voltage	V_R	12	V
Power Dissipation	P_D	225	mW
Operating Temperature	T_{opr}	$-30 \sim +85$	$^\circ\text{C}$
Storage Temperature	T_{stg}	$-30 \sim +85$	$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	$260^\circ\text{C}/5\text{sec}$	-

■ Directivity



■ Electrical -Optical Characteristics ($T_a=25^\circ\text{C}$)

Part Number	Color			I_F (mA)			I_v (mcd)*			λ_D (nm)*			$2\theta_{1/2}$ (deg)
				Min	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$V_F=12\text{V}$			$V_F=12\text{V}$						
OSW5DK7NE1B-12V	White	W		-	10	15	750	1120	-	$X=0.27, Y=0.28(8500-18000\text{K})$			140
OSM5DK7NE1B-12V	Warm White	M		-	10	15	750	1120	-	$X=0.44, Y=0.41(2700-3300\text{K})$			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
OSYP7NE1B-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 $\pm 1\text{nm}$

*2 Tolerance of measurements of chromaticity coordinates is $\pm 10\%$

*3 Tolerance of measurements of luminous intensity is $\pm 15\%$

*4 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$