

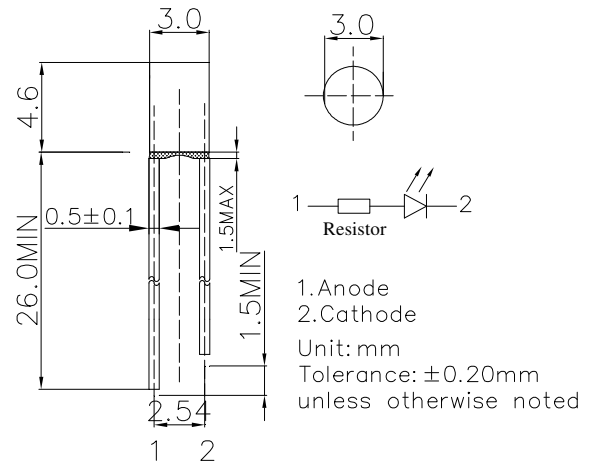
**■ Features**

- High Luminous LEDs
- 3mm Cylinder Standard Directivity
- UV Resistant Epoxy
- Integral Current Limiting Resistor
- TTL Compatible (Requires No External Current Limiter With 5 Volt Supply)
- Cost Effective (Saves Space and Resistor Cost)
- Water Clear Type

**■ Applications**

- Status Indicators
- Other Lighting

**■ Outline Dimension**

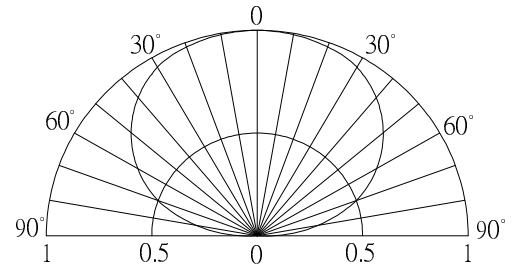


**■ Absolute Maximum Rating**

(Ta=25°C)








Item	Symbol	Value	Unit
DC Forward Voltage	V <sub>F</sub>	7.5	V
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	150	mW
Operating Temperature	Topr	-30 ~ +85	°C
Storage Temperature	Tstg	-40~ +100	°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> =5V			V <sub>F</sub> =5V						
OSW5DK3HE1B-5V	White	W		-	12	20	1560	2180	-	X=0.27, Y=0.28(8500-18000K)			140
OSM5DK3HE1B-5V	Warm White	M		-	12	20	1120	1560	-	X=0.45, Y=0.41(2700-3300K)			140
OSK5DK3HE1B-5V	Pink	K		-	12	20	330	500	-	X:0.45 Y:0.17			140
OSB5SA3HE1B-5V	Blue	B		-	12	20	330	500	-	465	470	475	140
OSG5DA3HE1B-5V	Pure Green	PG		-	12	20	1560	2180	-	520	525	530	140
OSY5PA3HE1B-5V	Yellow	Y		-	12	20	500	750	-	585	590	595	140
OSO5PA3HE1B-5V	Orange	O		-	12	20	500	750	-	600	605	610	140
OSR5PA3HE1B-5V	Red	R		-	12	20	500	750	-	620	625	630	140

\*1 Tolerance of measurements of Domi. wavelength is ±1nm  
\*3 Tolerance of measurements of luminous intensity is ±15%

\*2 Tolerance of measurements of chromaticity coordinates is ±10%  
\*4 Tolerance of measurements of forward voltage is ±0.1V