

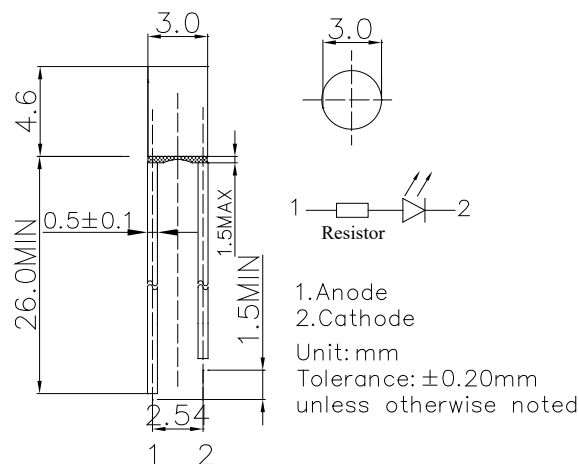
■Features

- High Luminous LEDs
- 3mm Cylinder 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

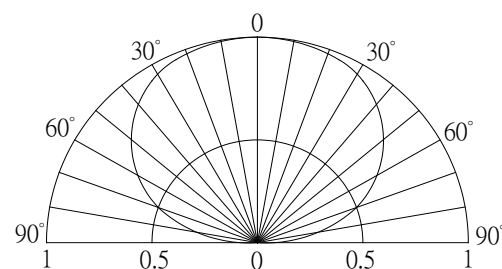


■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Voltage	V _F	15	V
Reverse Voltage	V _R	12	V
Power Dissipation	P _D	225	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 _F (mA)			I _v (mcd)*			λD(nm)*			2θ1/2(deg)
				Min	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				V _F =12V			V _F =12V						
OSW5DK3HE1B-12V	Cool White	W		-	10	15	1560	2180	-	X=0.27, Y=0.28(8500-18000K)			140
OSM5DK3HE1B-12V	Warm White	M		-	10	15	1120	1560	-	X=0.44, Y=0.41(2700-3200K)			140
OSK5DK3HE1B-12V	Pink	K		-	10	15	330	500	-	X:0.45 Y:0.17			140
OSB5SA3HE1B-12V	Blue	B		-	10	15	330	500	-	465	470	475	140
OSG5DA3HE1B-12V	Pure Green	PG		-	10	15	1560	2180	-	520	525	530	140
OSY5PA3HE1B-12V	Yellow	Y		-	10	15	500	750	-	585	590	595	140
OSO5PA3HE1B-12V	Orange	O		-	10	15	500	750	-	600	605	610	140
OSR5PA3HE1B-12V	Red	R		-	10	15	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

LED & Application Technologies

