

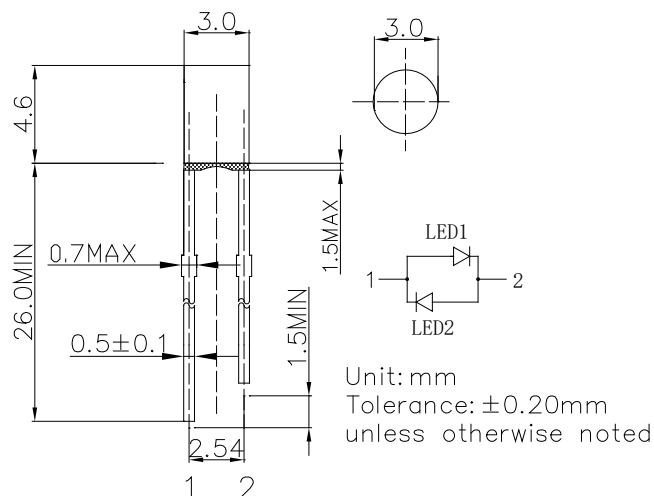
■Features

- High Luminous Intensity
- 3mm Cylinder Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- Water Clear Type
- Bi-polar Type

■Applications

- Electronic Signs and Signals
- Small Area Illuminations
- Back Lighting
- General Use

■Outline Dimension

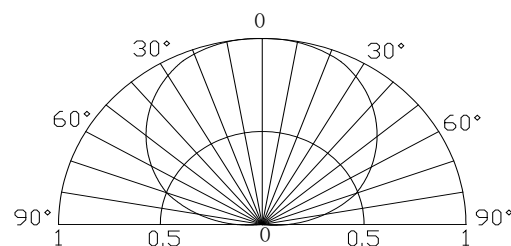


■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		W/M/BL/PG	Y/O/R	
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	T _{opr}	-30 ~ +85		°C
Storage Temperature	T _{stg}	-40 ~ +100		°C
Lead Soldering Temperature	T _{sol}	260°C/5sec		-

#Pulse width Max.10ms Duty ratio max 1/10

■Directivity



■Electrical -Optical Characteristics (Ta=25°C)

Part Number	Color			V _F (V)*			I _R (μA)	I _v (mcd)*			W _d (nm)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =20mA			V _R =5V	I _F =20mA			I _F =20mA			
OSW5D23HE1B	Cool White	W		2.7	2.9	3.4	10	750	1120	-	8500-18000K(X:0.27,Y:0.28)			140
OSW4D23HE1B	Pure White	W		2.7	2.9	3.4	10	750	1120	-	5500-8500K(X:0.31,Y:0.33)			140
OSM5D23HE1B	Warm White	M		2.7	2.9	3.4	10	750	1120	-	2700-3200K(X:0.44,Y:0.41)			140
OSB5S23HE1B	Blue	BL		2.8	3.1	3.6	10	330	500	-	465	470	475	140
OSG5D23HE1B	Pure Green	PG		2.8	3.1	3.6	10	1560	2180	-	520	525	530	140
OSY5P23HE1B	Yellow	Y		1.8	2.1	2.6	10	500	750	-	585	590	595	140
OSO5P23HE1B	Orange	O		1.8	2.1	2.6	10	500	750	-	600	605	610	140
OSR5P23HE1B	Red	R		1.8	2.1	2.6	10	500	750	-	620	625	630	140

*1 Tolerance of measurements of chromaticity coordinate is ±10%

*3 Tolerance of measurements of luminous intensity is ±15%

*2 Tolerance of measurements of dominant wavelength is ±1nm

*4 Tolerance of measurements of forward voltage is ±0.1V