

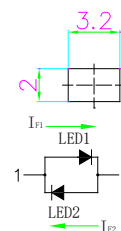
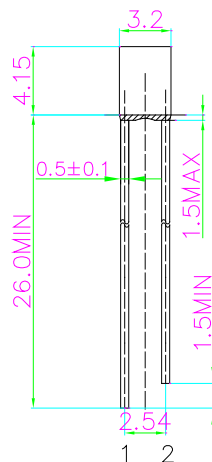
■Features

- High Luminous Intensity
- 2*3*4mm Rectangular Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- Color Diffused (White Diffused for W/M)
- Bi-polar Type

■Applications

- Electronic Signs and Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

■Outline Dimension



1. Anode
2. Cathode
Unit: mm
Tolerance: $\pm 0.20\text{mm}$
unless otherwise noted

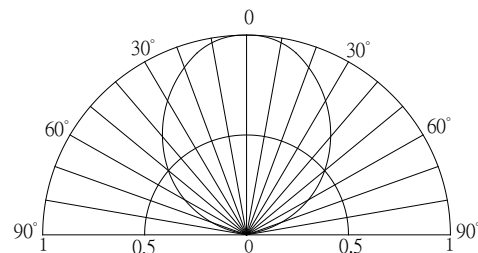
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/B/PG	R/Y/O	
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	102	78	mW
Operating Temperature	Topr	-30 ~ +85		°C
Storage Temperature	Tstg	-100 ~ +85		°C
Lead Soldering Temperature	Tsol	260°C/5sec		-

#Pulse width Max 0.1ms, Duty ratio max 1/10

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color			V _F (V)*			I _R (μA)	I _v (mcd)*			λD(nm)*/CCT(K)*			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			
OSWWD27BA2B	Cool White	W		-	2.9	3.4	10	330	500	-	CCT:8000-18000K			100
OSMMD27BA2B	Warm White	M		-	2.9	3.4	10	330	500	-	CCT:2700-3300K			100
OSBBS27BA4B	Blue	B		-	2.9	3.4	10	150	220	-	465	470	475	100
OSPPD27BA4B	Pure Green	PG		-	2.9	3.4	10	330	500	-	520	525	530	100
OSYYP27BA4B	Yellow	Y		-	2.1	2.6	10	220	330	-	585	590	595	100
OSOOP27BA4B	Orange	O		-	2.1	2.6	10	220	330	-	600	605	610	100
OSRRP27BA4B	Red	R		-	2.1	2.6	10	220	330	-	620	625	630	100

*1 Tolerance of measurements of color temperature $\pm 10\%$

*2 Tolerance of measurements of dominant wavelength is $\pm 1\text{nm}$

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

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

LED & Application Technologies

