

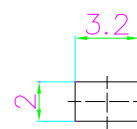
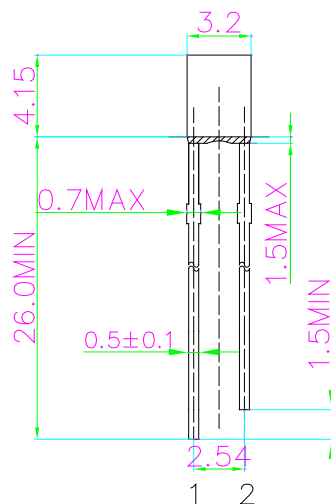
■Features

- High Luminous Small Package LED
- 2x3x5mm Rectangular Standard Directivity
- UV Resistant Epoxy
- Wide Operation Current 1-20mA
- Water Clear Type

■Applications

- Small Area Illuminations
- Telephone
- Back Lighting
- General Use

■Outline Dimension



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

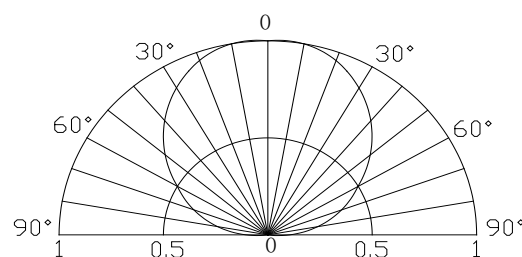
■Absolute Maximum Rating

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

Item	Symbol	Value		Unit
		Y/O/R	W/M/B/PG	
DC Forward Current	I_F	20	20	mA
Pulse Forward Current#	I_{FP}	100	100	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	48	64	mW
Operating Temperature	T_{opr}	$-30 \sim +85$		$^\circ\text{C}$
Storage Temperature	T_{stg}	$-40 \sim +100$		$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	$260^\circ\text{C}/5\text{sec}$		-

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

■Directivity



■Electrical -Optical Characteristics

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

Part Number	Color			V_F (V)			I_R (μA)	I_v (mcd)*			λ_D (nm)* / CCT (K)			$2\theta_{1/2}$ (deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=5\text{mA}$			$V_R=5\text{V}$	$I_F=5\text{mA}$			$I_F=5\text{mA}$			
OSW54K7BC1B	Cool White	W		-	2.7	3.2	10	220	330	-	CCT:8500-18000K(X:0.27,Y:0.28)			120
OSM54K7BC1B	Warm White	M		-	2.7	3.2	10	220	330	-	CCT:2700-3300K(X:0.44,Y:0.41)			120
OSB5DA7BC1B	Blue	B		-	2.7	3.2	10	100	150	-	465	470	475	120
OSG58A7BC1B	Pure Green	PG		-	2.7	3.2	10	220	330	-	520	525	530	120
OSY5PA7BC1B	Yellow	Y		-	1.9	2.4	10	120	180	-	585	590	595	120
OSO5PA7BC1B	Orange	O		-	1.9	2.4	10	120	180	-	600	605	610	120
OSR5PA7BC1B	Red	R		-	1.9	2.4	10	120	180	-	620	625	630	120

*1 Tolerance of measurements of chromaticity coordinate is $\pm 10\%$

*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

