

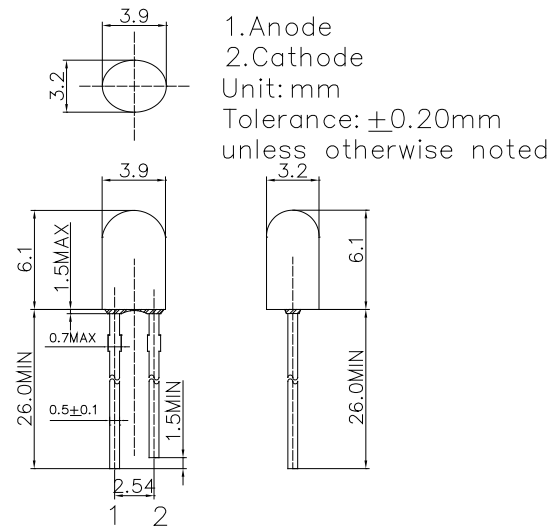
■Features

- High Luminous LEDs
- 3.9x3.2mm Standard Directivity
- UV Resistant Epoxy
- Color Transparent Type

■Applications

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

■Outline Dimension



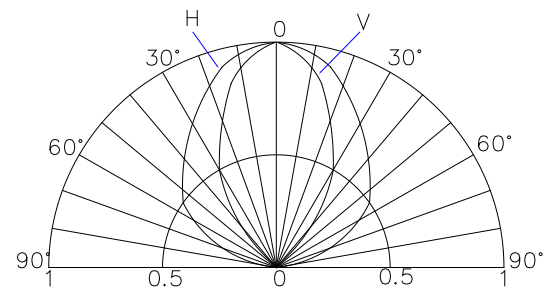
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		B/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	102	78	mW
Operating Temperature	T_{opr}	$-30 \sim +85$		°C
Storage Temperature	T_{stg}	$-40 \sim +100$		°C
Lead Soldering Temperature	T_{sol}	$260^\circ\text{C}/5\text{sec}$		-

#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)*			λ_D (nm)* / CCT (K)*			2θ1/2 (deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=20\text{mA}$			$V_R=5\text{V}$	$I_F=20\text{mA}$			$I_F=20\text{mA}$			
OSB5DA46B3B	Blue	B		-	2.9	3.4	10	1560	2180	-	465	470	475	110/60
OSG58A46B3B	Pure Green	PG		-	2.9	3.4	10	3000	4200	-	520	525	530	110/60
OSY5PA46B3B	Yellow	Y		-	2.1	2.6	10	1560	2180	-	585	590	595	110/60
OSO5PA46B3B	Orange	O		-	2.1	2.6	10	1560	2180	-	600	605	610	110/60
OSR5PA46B3B	Red	R		-	2.1	2.6	10	1560	2180	-	620	625	630	110/60

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

*2 Tolerance of measurements of color temperature is $\pm 10\%$

*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

