

■ **Features**

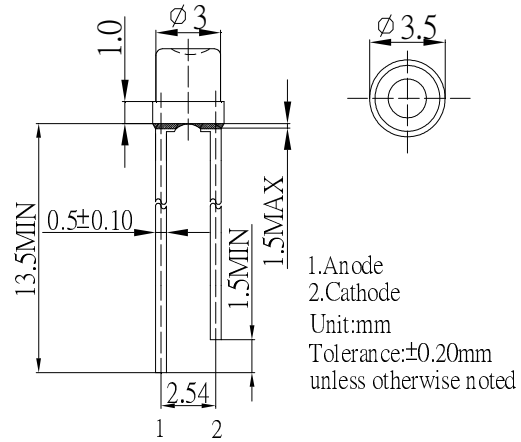
- High Luminous LEDs
- 3mm Concave Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear /Color Transparent/ Color Diffused Type

● **Everlight:494 Serise**

■ **Applications**

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

■ **Outline Dimension**



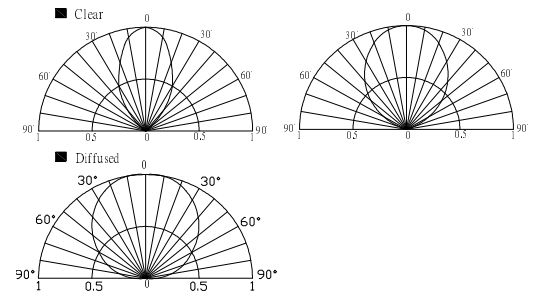
■ **Absolute Maximum Rating**

(Ta=25°C)

Item	Symbol	Value		Unit
		B/PG	Y/O/R	
DC Forward Current	I <sub>F</sub>	30	30	mA
Pulse Forward Current*	I <sub>FP</sub>	100	100	mA
Reverse Voltage	V <sub>R</sub>	5	5	V
Power Dissipation	P <sub>D</sub>	108	78	mW
Operating Temperature	Topr	-30 ~ +85		°C
Storage Temperature	Tstg	-40 ~ +100		°C
Lead Soldering Temperature	Tsol	260°C/5sec		-

\*Pulse width Max.10ms Duty ratio max 1/10

■ **Directivity**



■ **Electrical -Optical Characteristics**

(Ta=25°C)





















Part Number	Color			V <sub>F</sub> (V)			I <sub>R</sub> (μA)	I <sub>v</sub> (mcd)			W <sub>d</sub> (nm)*			2θ1/2(deg)
				Min.	Typ.	Max.		Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
				I <sub>F</sub> =20mA			V <sub>R</sub> =5V			I <sub>F</sub> =20mA				
OSB5SA3P61A	Blue	B	■	2.8	3.1	3.6	10	500	750	-	465	470	475	60
OSG5DA3P61A	Pure Green	PG	■	2.8	3.1	3.6	10	1560	2180	-	520	525	530	60
OSG8NU3P81A	Yellow Green	YG	■	1.8	2.1	2.6	10	45	68	-	565	570	575	80
OSY5LU3P81A	Yellow	Y	■	1.8	2.1	2.6	10	150	220	-	585	590	595	80
OSY5JA3P81A	Yellow	Y	■	1.8	2.1	2.6	10	220	330	-	585	590	595	80
OSY5RU3P81A	Yellow	Y	■	1.8	2.1	2.6	10	220	330	-	585	590	595	80
OSO5JA3P81A	Orange	O	■	1.8	2.1	2.6	10	220	330	-	600	605	610	80
OSR5JA3P81A	Red	R	■	1.8	2.1	2.6	10	150	220	-	620	625	630	80
OSR5RU3P81A	Red	R	■	1.8	2.1	2.6	10	220	330	-	620	625	630	80
OSR6LU3P81A	Red	R	■	1.8	2.1	2.6	10	68	100	-	630	640	650	80

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

\*2 Tolerance of measurements of luminous intensity is ±15%

\*3 Tolerance of measurements of forward voltage is ±0.1V

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

Part Number	Color			V <sub>F</sub> (V)			I <sub>R</sub> (μA)	I <sub>v</sub> (mcd)			Wd(nm)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I <sub>F</sub> =20mA			V <sub>R</sub> =5V	I <sub>F</sub> =20mA						
OSB5SA3P63A	Blue	B		2.8	3.1	3.6	10	500	750	-	465	470	475	60
OSG5DA3P63A	Pure Green	PG		2.8	3.1	3.6	10	1560	2180	-	520	525	530	60
OSG8NU3P83A	Yellow Green	YG		1.8	2.1	2.6	10	45	68	-	565	570	575	80
OSY5LU3P83A	Yellow	Y		1.8	2.1	2.6	10	150	220	-	585	590	595	80
OSY5JA3P83A	Yellow	Y		1.8	2.1	2.6	10	220	330	-	585	590	595	80
OSY5RU3P83A	Yellow	Y		1.8	2.1	2.6	10	220	330	-	585	590	595	80
OSO5JA3P83A	Orange	O		1.8	2.1	2.6	10	220	330	-	600	605	610	80
OSR5JA3P83A	Red	R		1.8	2.1	2.6	10	150	220	-	620	625	630	80
OSR5RU3P83A	Red	R		1.8	2.1	2.6	10	220	330	-	620	625	630	80
OSR6LU3P83A	Red	R		1.8	2.1	2.6	10	68	100	-	630	640	650	80
OSB5SA3PC4A	Blue	B		2.8	3.1	3.6	10	150	220	-	465	470	475	120
OSG5DA3PC4A	Pure Green	PG		2.8	3.1	3.6	10	500	750	-	520	525	530	120
OSG8NU3PC4A	Yellow Green	YG		1.8	2.1	2.6	10	30	45	-	565	570	575	120
OSY5LU3PC4A	Yellow	Y		1.8	2.1	2.6	10	68	100	-	585	590	595	120
OSY5JA3PC4A	Yellow	Y		1.8	2.1	2.6	10	100	150	-	585	590	595	120
OSY5RU3PC4A	Yellow	Y		1.8	2.1	2.6	10	150	220	-	585	590	595	120
OSO5JA3PC4A	Orange	O		1.8	2.1	2.6	10	100	150	-	600	605	610	120
OSR5JA3PC4A	Red	R		1.8	2.1	2.6	10	100	150	-	620	625	630	120
OSR5RU3PC4A	Red	R		1.8	2.1	2.6	10	150	220	-	620	625	630	120
OSR6LU3PC4A	Red	R		1.8	2.1	2.6	10	45	68	-	630	640	650	120

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