

### ■ Features

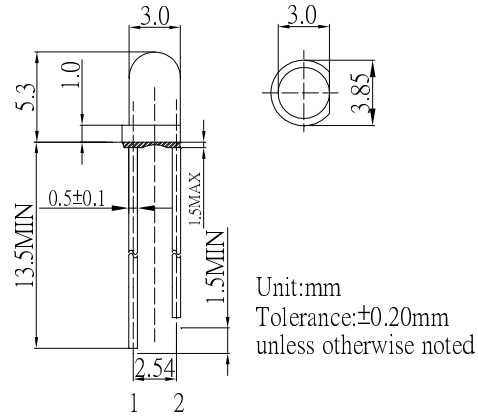
- High Luminous LEDs
- 3mm Round Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear /Color Transparent/Color Diffused Type

### ● Everlight:204 Serise

### ■ Applications

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

### ■ Outline Dimension

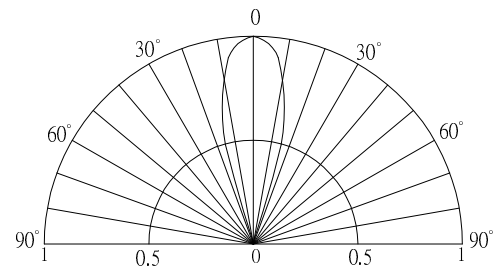


### ■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		YG/Y/O/R	W/M/B/PG	
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>	78	108	mW
Operating Temperature	Topr	-30 ~ +85		°C
Storage Temperature	Tstg	-40 ~ +100		°C
Lead Soldering Temperature	Tsol	260°C/ 5sec		-

### ■ Directivity



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

### ■ Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color		V <sub>F</sub> (V)			I <sub>R</sub> (μA)	I <sub>v</sub> (mcd)			CCT(K)*			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					
OSW6DK3131E	Cool White	W	2.8	3.1	3.6	10	4200	5800	-	13000-35000K(X:0.25,Y:0.26)			30
OSW64K3131E	Cool White	W	2.7	3.0	3.6	10	10000	12000	-	13000-35000K(X:0.25,Y:0.26)			30
OSW5DK3131E	Cool White	W	2.8	3.1	3.6	10	5800	7000	-	8500-18000K(X:0.27,Y:0.28)			30
OSW54K3131E	Cool White	W	2.7	3.0	3.6	10	12000	14400	-	8500-18000K(X:0.27,Y:0.28)			30
OSW4DK3131E	White	W	2.8	3.1	3.6	10	5800	7000	-	5500-8500K(X:0.31,Y:0.33)			30
OSW44K3131E	White	W	2.7	3.0	3.6	10	12000	14400	-	5500-8500K(X:0.31,Y:0.33)			30
OSM5DK3131E	Warm White	M	2.8	3.1	3.6	10	5800	7000	-	2700-3200K(X:0.44,Y:0.41)			30
OSM54K3131E	Warm White	M	2.7	3.0	3.6	10	10000	12000	-	2700-3300K(X:0.44,Y:0.41)			30
OSM6DK3131E	Warm White	M	2.8	3.1	3.6	10	5800	7000	-	2900-3800K(X:0.42,Y:0.40)			30
OSM64K3131E	Warm White	M	2.7	3.0	3.6	10	10000	12000	-	2900-3800K(X:0.42,Y:0.40)			30































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

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

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

**204 Serie**

**■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				
OSB5SA3131E	Blue	B		2.8	3.1	3.6	10	4200	5800	-	465	470	475	30
OSG5DA3131E	Pure Green	PG		2.8	3.1	3.6	10	14400	18000	-	520	525	530	30
OSG8NU3131E	Yellow Green	YG		1.8	2.1	2.6	10	500	750	-	565	570	575	30
OSY5LU3131E	Yellow	Y		1.8	2.1	2.6	10	1120	1560	-	585	590	595	30
OSY5JA3131E	Yellow	Y		1.8	2.1	2.6	10	1560	2180	-	585	590	595	30
OSY5RU3131E	Yellow	Y		1.8	2.1	2.6	10	2180	3000	-	585	590	595	30
OSO5JA3131E	Orange	O		1.8	2.1	2.6	10	1560	2180	-	600	605	610	30
OSR5JA3131E	Red	R		1.8	2.1	2.6	10	1560	2180	-	620	625	630	30
OSR5RU3131E	Red	R		1.8	2.1	2.6	10	2180	3000	-	620	625	630	30
OSR6LU3131E	Red	R		1.8	2.1	2.6	10	500	750	-	630	640	650	30
OSB5SA3133E	Blue	B		2.8	3.1	3.6	10	4200	5800	-	465	470	475	30
OSG5DA3133E	Pure Green	PG		2.8	3.1	3.6	10	14400	18000	-	520	525	530	30
OSG8NU3133E	Yellow Green	YG		1.8	2.1	2.6	10	500	750	-	565	570	575	30
OSY5LU3133E	Yellow	Y		1.8	2.1	2.6	10	1120	1560	-	585	590	595	30
OSY5JA3133E	Yellow	Y		1.8	2.1	2.6	10	1560	2180	-	585	590	595	30
OSY5RU3133E	Yellow	Y		1.8	2.1	2.6	10	2180	3000	-	585	590	595	30
OSO5JA3133E	Orange	O		1.8	2.1	2.6	10	1560	2180	-	600	605	610	30
OSR5JA3133E	Red	R		1.8	2.1	2.6	10	1560	2180	-	620	625	630	30
OSR5RU3133E	Red	R		1.8	2.1	2.6	10	2180	3000	-	620	625	630	30
OSR6LU3133E	Red	R		1.8	2.1	2.6	10	500	750	-	630	640	650	30
OSB5SA3164E	Blue	B		2.8	3.1	3.6	10	330	500	-	465	470	475	60
OSG5DA3164E	Pure Green	PG		2.8	3.1	3.6	10	1120	1560	-	520	525	530	60
OSG8NU3164E	Yellow Green	YG		1.8	2.1	2.6	10	45	68	-	565	570	575	60
OSY5LU3164E	Yellow	Y		1.8	2.1	2.6	10	150	220	-	585	590	595	60
OSY5JA3164E	Yellow	Y		1.8	2.1	2.6	10	220	330	-	585	590	595	60
OSY5RU3164E	Yellow	Y		1.8	2.1	2.6	10	330	500	-	585	590	595	60
OSO5JA3164E	Orange	O		1.8	2.1	2.6	10	220	330	-	600	605	610	60
OSR5JA3164E	Red	R		1.8	2.1	2.6	10	220	330	-	620	625	630	60
OSR5RU3164E	Red	R		1.8	2.1	2.6	10	330	500	-	620	625	630	60
OSR6LU3164E	Red	R		1.8	2.1	2.6	10	68	100	-	630	640	650	60

\*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