

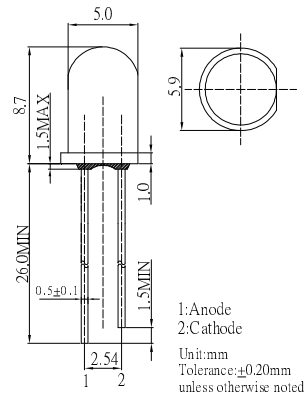
**■ Features**

- High Luminous LEDs
- 5mm Round Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type
- **Everlight:334Series /Cree:C503 Series**

**■ Applications**

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

**■ Outline Dimension**

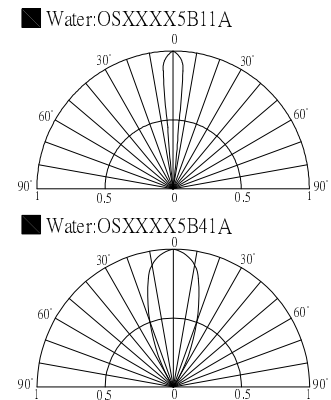


**■ Absolute Maximum Rating (Ta=25°C)**

Item	Symbol	Value		Unit
		W/M/BL/PG	YL/OR/HR	
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)			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					
OSW6DK5B11A	Cool White	W	2.8	3.1	3.6	10	14400	18000	-	13000-35000K(X:0.25,Y:0.26)			15
OSW64K5B11A	Cool White	W	2.7	3.0	3.6	10	25000	30000	-	13000-35000K(X:0.25,Y:0.26)			15
OSW5DK5B11A	Cool White	W	2.8	3.1	3.6	10	18000	22000	-	8500-18000K(X:0.27,Y:0.28)			15
OSW54K5B11A	Cool White	W	2.7	3.0	3.6	10	30000	36000	-	8500-18000K(X:0.27,Y:0.28)			15
OSW4DK5B11A	White	W	2.8	3.1	3.6	10	18000	22000	-	5500-8500K(X:0.31,Y:0.33)			15
OSW44K5B11A	White	W	2.7	3.0	3.6	10	30000	36000	-	5500-8500K(X:0.31,Y:0.33)			15
OSM5DK5B11A	Warm White	M	2.8	3.1	3.6	10	18000	22000	-	2700-3200K(X:0.44,Y:0.41)			15
OSM54K5B11A	Warm White	M	2.7	3.0	3.6	10	30000	36000	-	2700-3300K(X:0.44,Y:0.41)			15
OSM6DK5B11A	Warm White	M	2.8	3.1	3.6	10	18000	22000	-	2900-3800K(X:0.42,Y:0.40)			15
OSM64K5B11A	Warm White	M	2.7	3.0	3.6	10	30000	36000	-	2900-3800K(X:0.42,Y:0.40)			15

\*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

■ **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				
OSW6DK5B41A	Cool White	W		2.8	3.1	3.6	10	5800	7000	-	13000-35000K(X:0.25,Y:0.26)			40
OSW64K5B41A	Cool White	W		2.7	3.0	3.6	10	8400	10000	-	13000-35000K(X:0.25,Y:0.26)			40
OSW5DK5B41A	Cool White	W		2.8	3.1	3.6	10	7000	8400	-	8500-18000K(X:0.27,Y:0.28)			40
OSW54K5B41A	Cool White	W		2.7	3.0	3.6	10	10000	12000	-	8500-18000K(X:0.27,Y:0.28)			40
OSW4DK5B41A	White	W		2.8	3.1	3.6	10	7000	8400	-	5500-8500K(X:0.31,Y:0.33)			40
OSW44K5B41A	White	W		2.7	3.0	3.6	10	10000	12000	-	5500-8500K(X:0.31,Y:0.33)			40
OSM5DK5B41A	Warm White	M	■	2.8	3.1	3.6	10	7000	8400	-	2700-3200K(X:0.44,Y:0.41)			40
OSM54K5B41A	Warm White	M	■	2.7	3.0	3.6	10	10000	12000	-	2700-3300K(X:0.44,Y:0.41)			40
OSM6DK5B41A	Warm White	M	■	2.8	3.1	3.6	10	7000	8400	-	2900-3800K(X:0.42,Y:0.40)			40
OSM64K5B41A	Warm White	M	■	2.7	3.0	3.6	10	10000	12000	-	2900-3800K(X:0.42,Y:0.40)			40

\*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

**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						
OSB5SA5B11A	Blue	BL		2.8	3.1	3.6	10	10000	12000	-	465	470	475	15
OSB56A5B11A	Blue	BL		2.8	3.0	3.6	10	12000	14400	-	465	470	475	15
OSG5DA5B11A	Pure Green	PG		2.8	3.1	3.6	10	30000	36000	-	520	525	530	15
OSG5GA5B11A	Pure Green	PG		2.7	2.9	3.6	10	36000	43000	-	520	525	530	15
OSG8NU5B11A	Yellow Green	YG		1.8	2.1	2.6	10	750	1120	-	565	570	575	15
OSY5LU5B11A	Yellow	Y		1.8	2.1	2.6	10	1560	2180	-	585	590	595	15
OSY5JA5B11A	Yellow	Y		1.8	2.1	2.6	10	2180	3000	-	585	590	595	15
OSY5RU5B11A	Yellow	Y		1.8	2.1	2.6	10	3000	4200	-	585	590	595	15
OSY5PA5B11A	Yellow	Y		1.8	2.1	2.6	10	8400	10000	-	585	590	595	15
OS5YKA5B11A	Yellow	Y		1.8	2.1	2.6	10	18000	22000	-	585	590	595	15
OSO5JA5B11A	Orange	O		1.8	2.1	2.6	10	2180	3000	-	600	605	610	15
OSR5JA5B11A	Red	R		1.8	2.1	2.6	10	2180	3000	-	620	625	630	15
OSR5RU5B11A	Red	R		1.8	2.1	2.6	10	3000	4200	-	620	625	630	15
OSR5PA5B11A	Red	R		1.8	2.1	2.6	10	8400	10000	-	620	625	630	15
OS5RKA5B11A	Red	R		1.8	2.1	2.6	10	18000	22000	-	620	625	630	15
OSR6LU5B11A	Red	R		1.8	2.1	2.6	10	750	1120	-	630	640	650	15
OSB5SA5B41A	Blue	BL		2.8	3.1	3.6	10	3000	4200	-	465	470	475	40
OSB56A5B41A	Blue	BL		2.8	3.0	3.6	10	4200	5800	-	465	470	475	40
OSG5DA5B41A	Pure Green	PG		2.8	3.1	3.6	10	7000	8400	-	520	525	530	40
OSG5GA5B41A	Pure Green	PG		2.7	2.9	3.6	10	14400	18000	-	520	525	530	40
OSG8NU5B41A	Yellow Green	YG		1.8	2.1	2.6	10	330	500	-	565	570	575	40
OSY5LU5B41A	Yellow	Y		1.8	2.1	2.6	10	750	1120	-	585	590	595	40
OSY5JA5B41A	Yellow	Y		1.8	2.1	2.6	10	1120	1560	-	585	590	595	40
OSY5RU5B41A	Yellow	Y		1.8	2.1	2.6	10	1560	2180	-	585	590	595	40
OSY5PA5B41A	Yellow	Y		1.8	2.1	2.6	10	4200	5800	-	585	590	595	40
OS5YKA5B41A	Yellow	Y		1.8	2.1	2.6	10	5800	7000	-	585	590	595	40
OSO5JA5B41A	Orange	O		1.8	2.1	2.6	10	1560	2180	-	600	605	610	40
OSR5JA5B41A	Red	R		1.8	2.1	2.6	10	1120	1560	-	620	625	630	40
OSR5RU5B41A	Red	R		1.8	2.1	2.6	10	1560	2180	-	620	625	630	40
OSR5PA5B41A	Red	R		1.8	2.1	2.6	10	4200	5800	-	620	625	630	40
OS5RKA5B41A	Red	R		1.8	2.1	2.6	10	5800	7000	-	620	625	630	40
OSR6LU5B41A	Red	R		1.8	2.1	2.6	10	330	500	-	630	640	650	40

\*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