

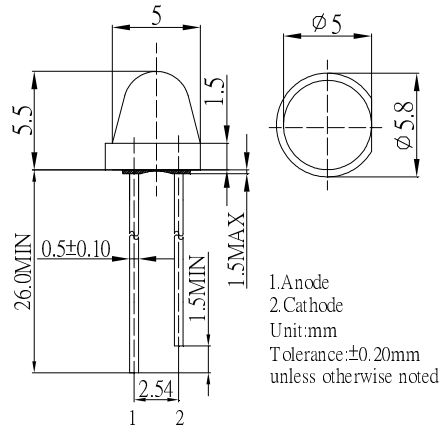
**■ Features**

- High Luminous LEDs
- 5mm Bullet Standard Directivity
- UV Resistant Epoxy
- Water Clear /Color Transparent/ Color Diffused Type

**■ Applications**

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

**■ Outline Dimension**



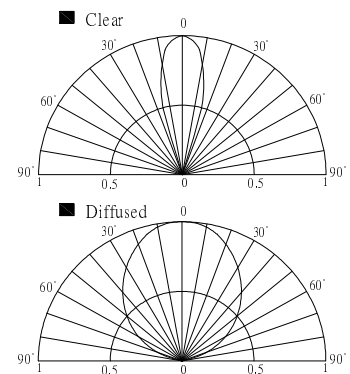
**■ Absolute Maximum Rating**

(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	T <sub>opr</sub>	-30 ~ +85		°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +100		°C
Lead Soldering Temperature	T <sub>sol</sub>	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				
OSB5SA6131A	Blue	B	■	2.8	3.1	3.6	10	2180	3000	-	465	470	475	30
OSG5DA6131A	Pure Green	PG	■	2.8	3.1	3.6	10	8400	10000	-	520	525	530	30
OSG8NU6131A	Yellow Green	YG	■	1.8	2.1	2.6	10	150	220	-	565	570	575	30
OSY5LU6131A	Yellow	Y	■	1.8	2.1	2.6	10	330	500	-	585	590	595	30
OSY5JA6131A	Yellow	Y	■	1.8	2.1	2.6	10	750	1120	-	585	590	595	30
OSY5RU6131A	Yellow	Y	■	1.8	2.1	2.6	10	1120	1560	-	585	590	595	30
OSO5JA6131A	Orange	O	■	1.8	2.1	2.6	10	500	1120	-	600	605	610	30
OSR5JA6131A	Red	R	■	1.8	2.1	2.6	10	750	1120	-	620	625	630	30
OSR5RU6131A	Red	R	■	1.8	2.1	2.6	10	1120	1560	-	620	625	630	30
OSR6LU6131A	Red	R	■	1.8	2.1	2.6	10	220	330	-	630	640	650	30

\*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						
OSB5SA6133A	Blue	B		2.8	3.1	3.6	10	2180	3000	-	465	470	475	30
OSG5DA6133A	Pure Green	PG		2.8	3.1	3.6	10	8400	10000	-	520	525	530	30
OSG8NU6133A	Yellow Green	YG		1.8	2.1	2.6	10	150	220	-	565	570	575	30
OSY5LU6133A	Yellow	Y		1.8	2.1	2.6	10	330	500	-	585	590	595	30
OSY5JA6133A	Yellow	Y		1.8	2.1	2.6	10	750	1120	-	585	590	595	30
OSY5RU6133A	Yellow	Y		1.8	2.1	2.6	10	1120	1560	-	585	590	595	30
OSO5JA6133A	Orange	O		1.8	2.1	2.6	10	500	1120	-	600	605	610	30
OSR5JA6133A	Red	R		1.8	2.1	2.6	10	750	1120	-	620	625	630	30
OSR5RU6133A	Red	R		1.8	2.1	2.6	10	1120	1560	-	620	625	630	30
OSR6LU6133A	Red	R		1.8	2.1	2.6	10	220	330	-	630	640	650	30
OSB5SA61A4A	Blue	B		2.8	3.1	3.6	10	220	330	-	465	470	475	100
OSG5DA61A4A	Pure Green	PG		2.8	3.1	3.6	10	750	1120	-	520	525	530	100
OSG8NU61A4A	Yellow Green	YG		1.8	2.1	2.6	10	45	68	-	565	570	575	100
OSY5LU61A4A	Yellow	Y		1.8	2.1	2.6	10	100	150	-	585	590	595	100
OSY5JA61A4A	Yellow	Y		1.8	2.1	2.6	10	150	220	-	585	590	595	100
OSY5RU61A4A	Yellow	Y		1.8	2.1	2.6	10	220	330	-	585	590	595	100
OSO5JA61A4A	Orange	O		1.8	2.1	2.6	10	150	220	-	600	605	610	100
OSR5JA61A4A	Red	R		1.8	2.1	2.6	10	150	220	-	620	625	630	100
OSR5RU61A4A	Red	R		1.8	2.1	2.6	10	220	330	-	620	625	630	100
OSR6LU61A4A	Red	R		1.8	2.1	2.6	10	45	68	-	630	640	650	100

\*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

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