

### ■Features

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

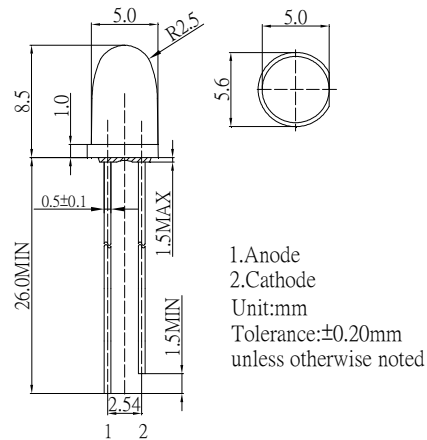
**Rohm: 580 Series/Stanley:5066 &5306& 5366**

**Series**

### ■Applications

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

### ■Outline Dimension

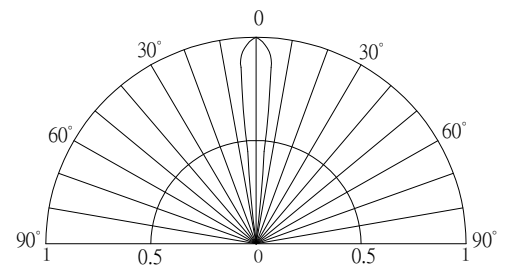


### ■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		B/BG/PG	YG/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		-

### ■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)			W <sub>d</sub> (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						
OSB5YU5201A	Blue	B	■	2.8	3.1	3.6	10	4200	5800	-	465	470	475	8
OSB5SA5201A	Blue	B	■	2.8	3.1	3.6	10	5800	7000	-	465	470	475	8
OSG3DA5201A	Bluish Green	BG	■	2.8	3.1	3.6	10	10000	12000	-	500	505	510	8
OSG5TA5201A	Pure Green	PG	■	2.8	3.1	3.6	10	20000	25000	-	520	525	530	8
OSG5DA5201A	Pure Green	PG	■	2.8	3.1	3.6	10	30000	36000	-	520	525	530	8
OSG8NU5201A	Yellow Green	YG	■	1.8	2.1	2.6	10	2180	3000	-	565	570	575	8
OSY5LU5201A	Yellow	Y	■	1.8	2.1	2.6	10	3000	4200	-	585	590	595	8
OSY5JA5201A	Yellow	Y	■	1.8	2.1	2.6	10	5800	7000	-	585	590	595	8
OSO5JA5201A	Orange	O	■	1.8	2.1	2.6	10	5800	7000	-	600	605	610	8
OSR5JA5201A	Red	R	■	1.8	2.1	2.6	10	5800	7000	-	620	625	630	8
OSR6LU5201A	Red	R	■	1.8	2.1	2.6	10	3000	4200	-	630	640	650	8

\*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						
OSB5YU5203A	Blue	B		2.8	3.1	3.6	10	4200	5800	-	465	470	475	8
OSB5SA5203A	Blue	B		2.8	3.1	3.6	10	5800	7000	-	465	470	475	8
OSG3DA5203A	Bluish Green	BG		2.8	3.1	3.6	10	10000	12000	-	500	505	510	8
OSG5TA5203A	Pure Green	PG		2.8	3.1	3.6	10	20000	25000	-	520	525	530	8
OSG5DA5203A	Pure Green	PG		2.8	3.1	3.6	10	30000	36000	-	520	525	530	8
OSG8NU5203A	Yellow Green	YG		1.8	2.1	2.6	10	2180	3000	-	565	570	575	8
OSY5LU5203A	Yellow	Y		1.8	2.1	2.6	10	3000	4200	-	585	590	595	8
OSY5JA5203A	Yellow	Y		1.8	2.1	2.6	10	5800	7000	-	585	590	595	8
OSO5JA5203A	Orange	O		1.8	2.1	2.6	10	5800	7000	-	600	605	610	8
OSR5JA5203A	Red	R		1.8	2.1	2.6	10	5800	7000	-	620	625	630	8
OSR6LU5203A	Red	R		1.8	2.1	2.6	10	3000	4200	-	630	640	650	8

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