

■Features

- High Luminous LEDs
- 2x4x5mm Rectangular Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

• Everlight: 594 Series

■Applications











- Toys
- Games
- Audio
- Other Lighting

■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		YG/Y/O/R	B/PG	
DC Forward Current	I _F	30	30	mA
Pulse Forward Current*	I _{FP}	100	100	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	78	108	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

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

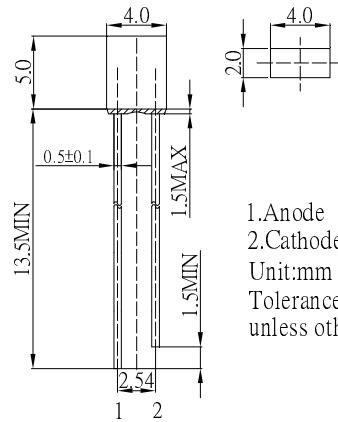
Part Number	Color			V _F (V)			I _R (μA)	I _v (mcd)			Wd(nm)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =20mA			V _R =5V			I _F =20mA				
OSB5SA7YA4F	Blue	B		2.8	3.1	3.6	10	220	330	-	465	470	475	100
OSG5DA7YA4F	Pure Green	PG		2.8	3.1	3.6	10	750	1120	-	520	525	530	100
OSG8NU7YC4F	Yellow Green	YG		1.8	2.1	2.6	10	30	45	-	565	570	575	115
OSY5LU7YC4F	Yellow	Y		1.8	2.1	2.6	10	68	100	-	585	590	595	115
OSY5JA7YC4F	Yellow	Y		1.8	2.1	2.6	10	100	150	-	585	590	595	115
OSY5RU7YC4F	Yellow	Y		1.8	2.1	2.6	10	150	220	-	585	590	595	115
OSO5JA7YC4F	Orange	O		1.8	2.1	2.6	10	100	150	-	600	605	610	115
OSR5JA7YC4F	Red	R		1.8	2.1	2.6	10	100	150	-	620	625	630	115
OSR5RU7YC4F	Red	R		1.8	2.1	2.6	10	150	220	-	620	625	630	115
OSR6LU7YC4F	Red	R		1.8	2.1	2.6	10	30	45	-	630	640	650	115

*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

■Outline Dimension



■Directivity

