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OptoSupply
Light It Up

2x4x5mm Rectangular LED

OSXXXX7YA4B

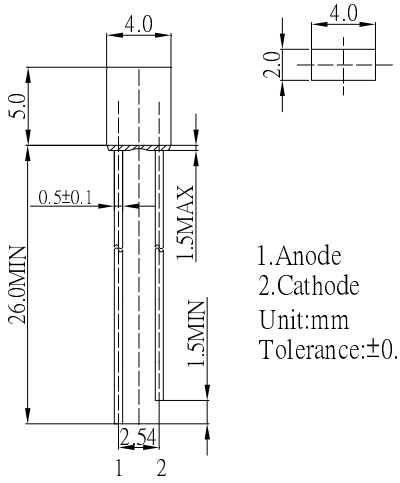
■Features

- High Luminous LEDs
- 2x4x5mm Rectangular Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- Color Diffused Type / White Diffused

■Applications

- Games & Toys
- Indications
- Back Lighting
- Decorations

■Outline Dimension



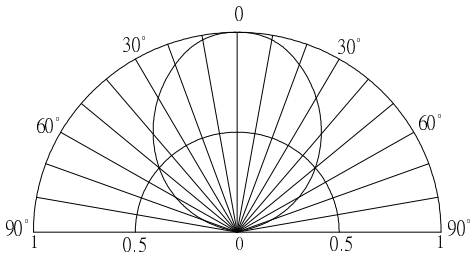
1.Anode
2.Cathode
Unit:mm
Tolerance:±0.30mm

■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value		Unit
		W/M/B/PG	YG/Y/O/R	
DC Forward Current	I_F	25	30	mA
Pulse Forward Current#	I_{FP}	80	100	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	90	78	mW
Operating Temperature	Topr	-40 ~ +85		℃
Storage Temperature	Tstg	-40~ +85		℃
Lead Soldering Temperature	Tsol	260℃/5sec		-

#Pulse width Max 0.1ms, Duty ratio max 1/10

■Directivity



■Electrical -Optical Characteristics (Ta=25℃)

Part Number	Color			V_F (V)*			I_R(μA)	Iv(mcd)*			CCT/λD(nm)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I_F=20mA			V_R=5V	I_F=20mA						
OSW5YK7YA4B	White	W		-	3.1	3.6	10	500	750	-	CCT:8000-18000K			100
OSM5YK7YA4B	Warm White	M		-	3.1	3.6	10	330	500	-	CCT:2700-3200K			100
OSB5YU7YA4B	Blue	B		-	3.1	3.6	10	150	220	-	465	470	475	100
OSG5TA7YA4B	Pure Green	PG		-	3.1	3.6	10	330	500	-	520	525	530	100
OSG8HA7YA4B	Yellow Green	YG		-	2.1	2.6	10	68	100	-	565	570	575	100
OSY5JA7YA4B	Yellow	Y		-	2.1	2.6	10	100	150	-	585	590	595	100
OSO5JA7YA4B	Orange	O		-	2.1	2.6	10	100	150	-	600	605	610	100
OSR5JA7YA4B	Red	R		-	2.1	2.6	10	100	150	-	620	625	630	100

*1 Tolerance of measurements of dominant wavelength is ±1nm
*2 Tolerance of measurements of chromaticity coordinate / CCT is ±10%
*3 Tolerance of measurements of luminous intensity is ±15%
*4 Tolerance of measurements of forward voltage is±0.1V