

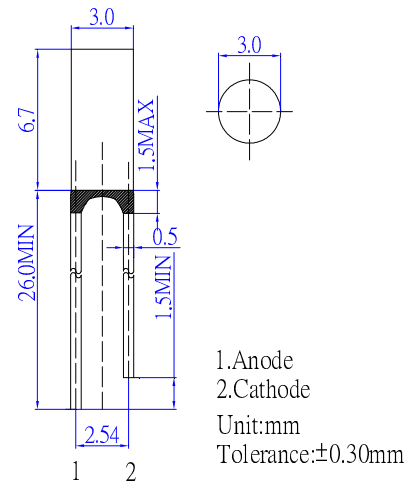
■Features

- High Luminous LED
- 3mm Standard Directivity
- Long Lifetime Operation
- Superior UV Resistance
- Color Diffused Type (White Diffused for White LED)

■Applications

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

■Outline Dimension



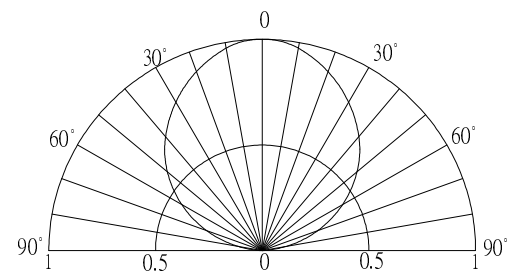
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbo	Value		Unit
		W/M/B/PG	Y/O/R	
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	108	78	mW
Operating Temperature	Topr	-40 ~ +85		°C
Storage Temperature	Tstg	-40~ +85		°C
Lead Soldering Temperature	Tsol	260°C/5sec		-

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

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color		V _F (V)*			I _R (μA)	I _v (mcd)*			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						
OSW5DK39B2B	White	W	-	2.9	3.4	10	1120	1560	-	CCT:8000-18000K			110
OSM5DK39B2B	Warm White	M	-	2.9	3.4	10	750	1120	-	CCT:2700-3300K			110
OSB5SA39B4B	Blue	B	-	2.9	3.4	10	220	330	-	460	465	470	110
OSG5DA39B4B	Pure Green	PG	-	2.9	3.4	10	750	1120	-	520	525	530	110
OSY5PA39B4B	Yellow	Y	-	2.1	2.6	10	330	500	-	585	590	595	110
OSO5PA39B4B	Orange	O	-	2.1	2.6	10	330	500	-	600	605	610	110
OSR5PA39B4B	Red	R	-	2.1	2.6	10	330	500	-	620	625	630	110

*1 Tolerance of measurements of dominant wavelength is ±1nm

*2 Tolerance of measurements of chromaticity coordinate is ±10%

*3 Tolerance of measurements of luminous intensity is ±15%

*4 Tolerance of measurements of forward voltage is ±0.1V

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