

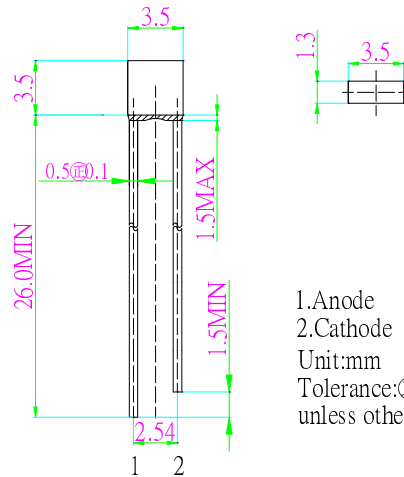
■Features

- High Luminous LEDs
- 3.5x3.5x1.3mm Rectangular Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- Water Clear Type

■Applications

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

■Outline Dimension



1. Anode
2. Cathode
Unit: mm
Tolerance: ± 0.20 mm
unless otherwise noted

■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	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	T _{opr}	-40 ~ +85		°C
Storage Temperature	T _{stg}	-40 ~ +85		°C
Lead Soldering Temperature	T _{sol}	260°C/5sec		-

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

■Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color		V _F (V)*			I _R (μA)	I _v (mcd)*			λ _D (nm)*			2θ _{1/2} (deg)
			Min.	Typ.	Max.		Max.	Min.	Typ.	Max.	Min.	Typ.	
			I _F =20mA			V _R =5V			I _F =20mA				
OSW5DK77A1B	White	W	-	3.1	3.6	10	750	1120	-	*CCT:8000-18000K			100
OSM5DK77A1B	Warm White	M	-	3.1	3.6	10	500	750	-	*CCT:2700-3300K			100
OSB5SA77A1B	Blue	B	-	3.1	3.6	10	330	500	-	465	470	475	100
OSG5DA77A1B	Pure Green	PG	-	3.1	3.6	10	750	1120	-	520	525	530	100
OSY5PA77A1B	Yellow	Y	-	2.1	2.6	10	500	750	-	585	590	595	100
OSO5PA77A1B	Orange	O	-	2.1	2.6	10	500	750	-	600	605	610	100
OSR5PA77A1B	Red	R	-	2.1	2.6	10	500	750	-	620	625	630	100

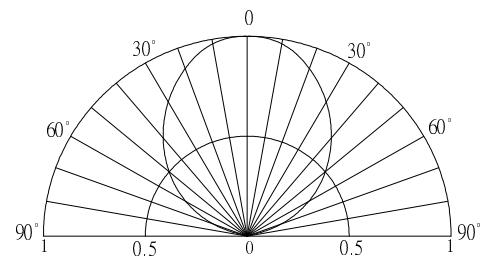
*1 Tolerance of measurements of dominant wavelength is ± 1 nm

*2 Tolerance of measurements of color temperature is $\pm 10\%$

*3 Tolerance of measurements of luminous intensity is $\pm 15\%$

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

■Directivity



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