

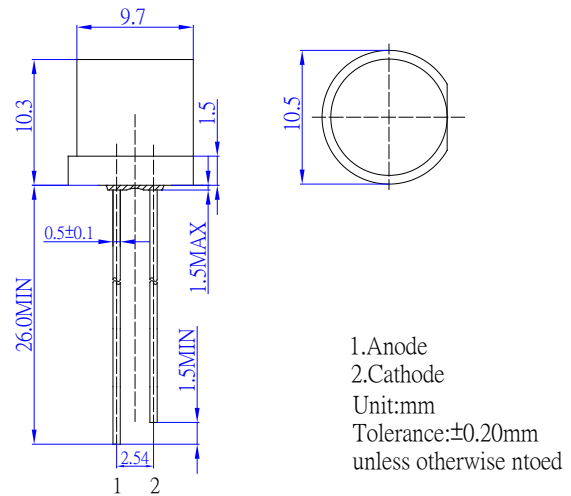
■Features

- High Luminous LEDs
- 9.7mm Flat Top Standard Directivity
- UV Resistant Epoxy
- Color Diffused & White Diffused (W,M only)

■Applications

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

■Outline Dimension



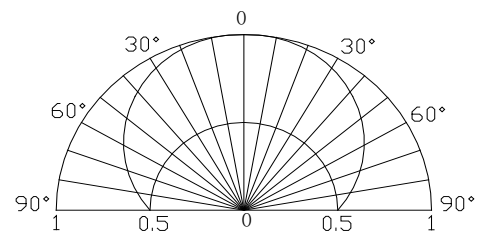
■Absolute Maximum Rating

(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	102	78	mW
Operating Temperature	T _{opr}	-30 ~ +85		°C
Storage Temperature	T _{stg}	-40 ~ +100		°C
Lead Soldering Temperature	T _{sol}	260°C/5sec		-

#Pulse width Max.10ms 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)*			θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =20mA			V _R =5V	I _F =20mA						
OSW5DKA6K2A	White	W		-	2.9	3.4	10	750	1120	-	Typ. X:0.27,Y:0.28			180
OSM5DKA6K2A	Warm White	M		-	2.9	3.4	10	750	1120	-	Typ. X:0.45,Y:0.41			180
OSB5SAA6K4A	Blue	B		-	2.9	3.4	10	330	500	-	465	470	475	180
OSG5DAA6K4A	Pure Green	PG		-	2.9	3.4	10	750	1120	-	520	525	530	180
OSY5PAA6K4A	Yellow	Y		-	2.1	2.6	10	500	750	-	585	590	595	180
OSO5PAA6K4A	Orange	O		-	2.1	2.6	10	500	750	-	600	605	610	180
OSR5PAA6K4A	Red	R		-	2.1	2.6	10	500	750	-	620	625	630	180

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

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

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

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