

■Features

- High Luminous LEDs
- 1.8*7.05mm Tower Standard Directivity
- UV Resistant Epoxy
- Color Transparent/Water Clear (W,M,K only)

■Applications

- General Purpose Indicators
- Decorations
- Toys & Games
- General Use

■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/M/K/B/PG	YG/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

■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						
OSW5YK7231B	White	W		-	2.9	3.4	10	1120	1560	-	X=0.27,Y=0.28			30
OSM5YK7231B	Warm White	M		-	2.9	3.4	10	750	1120	-	X=0.45,Y=0.41			30
OSK5YK7231B	Pink	K		-	2.9	3.4	10	330	500	-	X=0.45,Y=0.17			30
OSB5YU7233B	Blue	B		-	2.9	3.4	10	500	750	-	465	470	475	30
OSG5TA7233B	Pure Green	PG		-	2.9	3.4	10	780	1120	-	520	525	530	30
OSG8HA7233B	Yellow Green	YG		-	2.1	2.6	10	220	330	-	565	570	575	30
OSY5JA7233B	Yellow	Y		-	2.1	2.6	10	330	500	-	585	590	595	30
OSO5JA7233B	Orange	O		-	2.1	2.6	10	330	500	-	600	605	610	30
OSR5JA7233B	Red	R		-	2.1	2.6	10	330	500	-	620	625	630	30

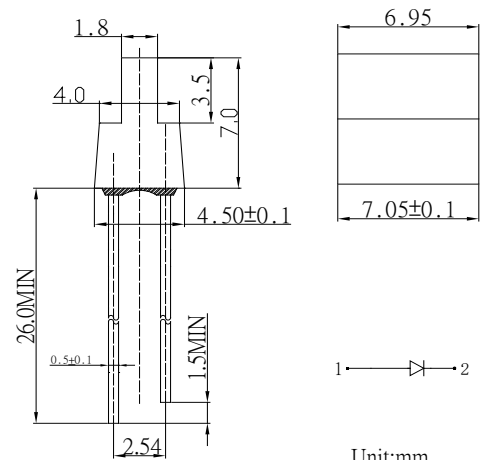
*1 Tolerance of measurements of chromaticity coordinate is ±10%

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

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

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

■Outline Dimension



Unit:mm
Tolerance:±0.30mm

■Directivity

