

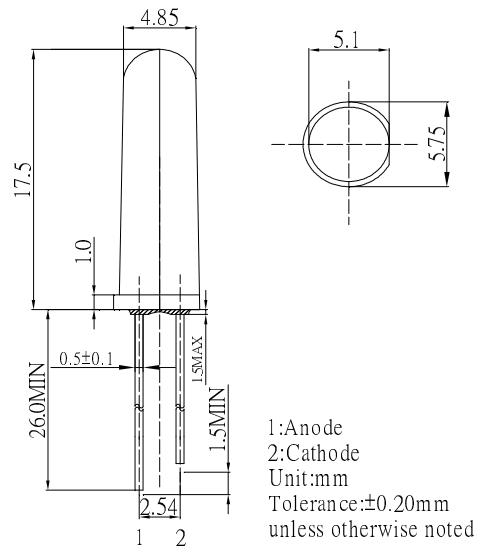
### ■ Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy

### ■ Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting/ Indication Lighting

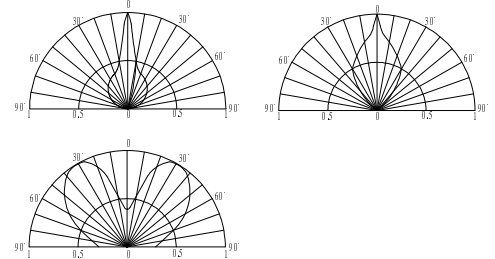
### ■ Outline Dimension



### ■ Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		W/M/K/BL/PG	Y/O/R	
DC Forward Current	I <sub>F</sub>	30	30	mA
Pulse Forward Current*	I <sub>FP</sub>	100	100	mA
Reverse Voltage	V <sub>R</sub>	5	5	V
Power Dissipation	P <sub>D</sub>	102	78	mW
Operating Temperature	T <sub>opr</sub>	-30 ~ +85		°C
Storage Temperature	T <sub>stg</sub>	-40~ +100		°C
Lead Soldering Temperature	T <sub>sol</sub>	260°C/5sec		-

### ■ Directivity



\*Pulse width Max.10ms Duty ratio max 1/10

### ■ Electrical -Optical Characteristics (Ta=25°C)











Part Number	Color		V <sub>F</sub> (V)			I <sub>R</sub> (μA)	I <sub>v</sub> (mcd)			CCT(K)*			2θ1/2(deg)
			Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
			I <sub>F</sub> =20mA			V <sub>R</sub> =5V		I <sub>F</sub> =20mA					
OSW5DK6E61A	Cool White	W	2.7	2.9	3.4	10	2180	3000	-	8500-18000K(X:0.27,Y:0.28)			60
OSM5DK6E61A	Warm White	M	2.7	2.9	3.4	10	2180	3000	-	2700-3300K(X:0.44,Y:0.41)			60
OSK5DK6E61A	Pink	K	2.7	2.9	3.4	10	750	1120	-	X:0.45,Y:0.17			60
OSW5DK6EE2A	Cool White	W	2.7	2.9	3.4	10	500	750	-	8500-18000K(X:0.27,Y:0.28)			140
OSM5DK6EE2A	Warm White	M	2.7	2.9	3.4	10	500	750	-	2700-3300K(X:0.44,Y:0.41)			140
OSK5DK6EE2A	Pink	K	2.7	2.9	3.4	10	150	220	-	X:0.45,Y:0.17			140

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

\*2 Tolerance of measurements of luminous intensity is ±15%

\*3 Tolerance of measurements of forward voltage is ±0.1V

■ **Electrical -Optical Characteristics** (Ta=25°C)

Part Number	Color			V <sub>F</sub> (V)			I <sub>R</sub> (μA)	I <sub>v</sub> (mcd)			Wd(nm)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I <sub>F</sub> =20mA			V <sub>R</sub> =5V	I <sub>F</sub> =20mA						
OSB5SA6E21A	Blue	BL		2.7	3.0	3.4	10	1120	1560	-	465	470	475	20
OSG5DA6E21A	Pure Green	PG		2.7	3.0	3.4	10	4200	5800	-	520	525	530	20
OSY5RU6E21A	Yellow	Y		1.8	2.1	2.6	10	500	750	-	585	590	595	20
OSO5JA6E21A	Orange	O		1.8	2.1	2.6	10	330	500	-	600	605	610	20
OSR5RU6E21A	Red	R		1.8	2.1	2.6	10	500	750	-	620	625	630	20
OSB5SA6EE2A	Blue	BL		2.7	3.0	3.4	10	100	150	-	465	470	475	140
OSG5DA6EE2A	Pure Green	PG		2.7	3.0	3.4	10	330	500	-	520	525	530	140
OSY5RU6EE2A	Yellow	Y		1.8	2.1	2.6	10	68	100	-	585	590	595	140
OSO5JA6EE2A	Orange	O		1.8	2.1	2.6	10	45	68	-	600	605	610	140
OSR5RU6EE2A	Red	R		1.8	2.1	2.6	10	68	100	-	620	625	630	140

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

\*2 Tolerance of measurements of luminous intensity is ±15%

\*3 Tolerance of measurements of forward voltage is ±0.1V