

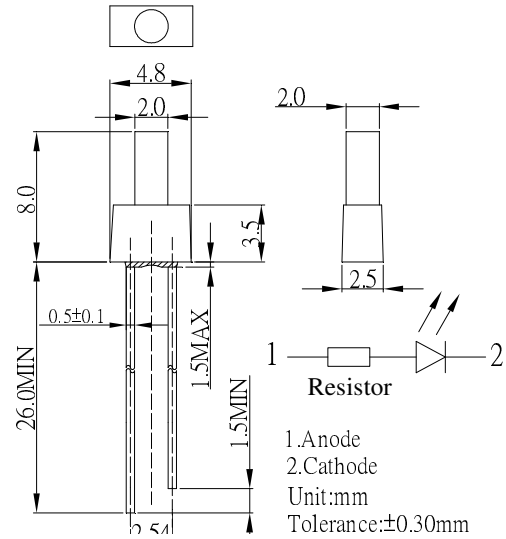
**■ Features**

- High Luminous LEDs
- 2mm Tower Standard Directivity
- UV Resistant Epoxy
- Integral Current Limiting Resistor
- TTL Compatible (Requires No External Current Limiter With 12 Volt Supply)
- Cost Effective (Saves Space and Resistor Cost)
- Color Diffused Type

**■ Applications**

- Status Indicators
- Other Lighting

**■ Outline Dimension**

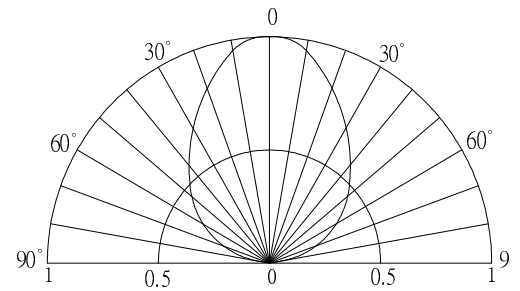


**■ Absolute Maximum Rating**

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Voltage	V <sub>F</sub>	15	V
Reverse Voltage	V <sub>R</sub>	12	V
Power Dissipation	P <sub>D</sub>	225	mW
Operating Temperature	Topr	-30 ~ +85	°C
Storage Temperature	Tstg	-30 ~ +85	°C
Lead Soldering Temperature	Tsol	260°C/5sec	-

**■ Directivity**



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

Part Number	Color			I <sub>F</sub> (mA)			I <sub>v</sub> (mcd)*			λD(nm)*			2θ1/2(deg)
				Min	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				V <sub>F</sub> =12V			V <sub>F</sub> =12V						
OSW5DK7K92B-12V	White	W		-	10	15	750	1120	-	Typ.10000K			90
OSM5DK7K92B-12V	Warm White	M		-	10	15	500	750	-	Typ.3000K			90
OSB5SA7K94B-12V	Blue	B		-	10	15	1560	500	-	465	470	475	90
OSG5DA7K94B-12V	Pure Green	TG		-	10	15	500	750	-	520	525	530	90
OSG8HA7K94B-12V	Yellow Green	G		-	10	15	68	100	-	565	570	575	90
OSY5RU7K94B-12V	Yellow	Y		-	10	15	150	220	-	585	590	595	90
OSO5JA7K94B-12V	Orange	O		-	10	15	150	220	-	600	605	610	90
OSR5RU7K94B-12V	Red	R		-	10	15	150	220	-	620	625	630	90

\*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