

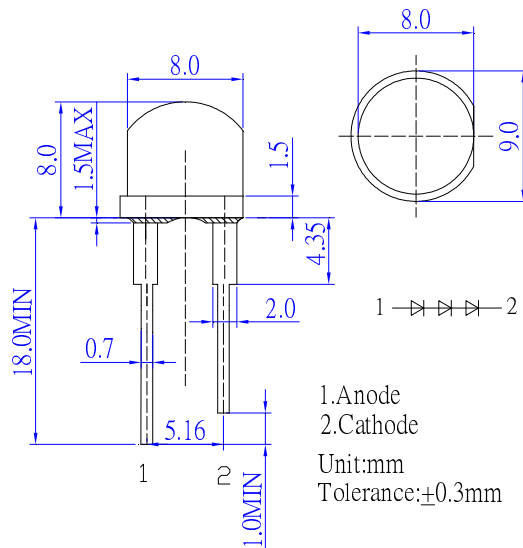
■ Features

- High Luminous LEDs
- 8mm Straw Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

■ Applications

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

■ Outline Dimension



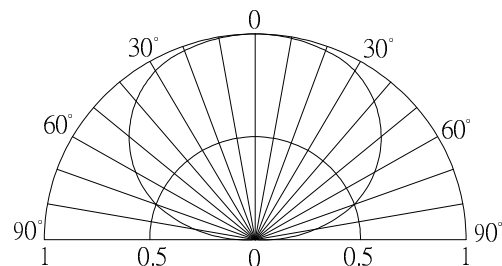
■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/M/B/G	Y/O/R	
DC Forward Current	I _F	45	50	mA
Pulse Forward Current*	I _{FP}	80	90	mA
Reverse Voltage	V _R	15	15	V
Power Dissipation	P _D	486	390	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)	Φ v(lm)*			λD(nm)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =40mA			V _R =15V	I _F =40mA			I _F =40mA			
OS4WM387E1U	Pure White	W		8.4	9.3	10.8	10	45	55	-	CCT:5500-8000K			140
OS5WM387E1U	Cool White	W		8.4	9.3	10.8	10	40	50	-	CCT:8000-17000K			140
OS5MM387E1U	Warm White	M		8.4	9.3	10.8	10	40	50	-	CCT:2500-3500K			140
OS4BM387E1U	Blue	B		8.4	9.3	10.8	10	8	12	-	455	460	465	140
OSG58387E1U	Pure Green	G		8.4	9.3	10.8	10	28	35	-	520	525	530	140
OS5YE387E1U	Yellow	Y		5.7	6.6	7.8	10	15	20	-	585	590	595	140
OS5OG387E1U	Orange	O		5.7	6.6	7.8	10	28	35	-	600	605	610	140
OS5RE387E1U	Red	R		5.7	6.6	7.8	10	15	20	-	620	625	630	140

*1 Tolerance of chromaticity coordinates is ±10%

*2 Tolerance of luminous intensity is ±15%