

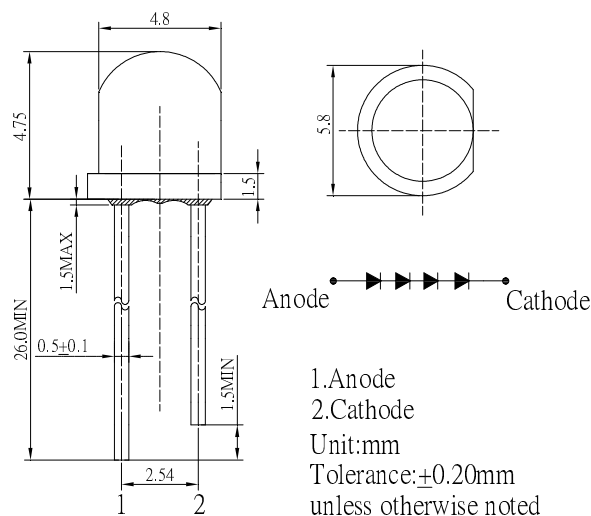
■ Features

- Higher Luminous Output
- 4.8mm Straw Standard Directivity
- Long Lifetime Operation
- Water Clear Type

■ Applications

- Electronic Signs And Signals
- Illuminations
- Reading Lamps / Emergency Lighting
- Other Lighting

■ Outline Dimension

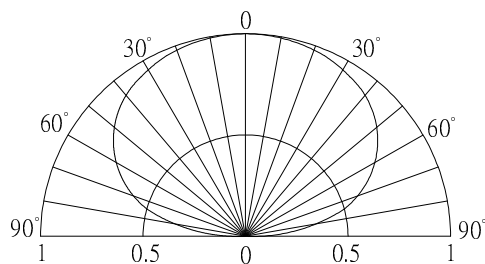


■ Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	20	mA
Pulse Forward Current#	I_{FP}	40	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	272	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)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V_F	$I_F=20mA$	-	12.0	13.6	V
DC Reverse Current	I_R	$V_R=5V$	-	-	10	μA
Luminous Flux*2	Φ_v	$I_F=20mA$	23	25	-	lm
Color Temperature*3	CCT	$I_F=20mA$	2700	3000	3300	K
Chromaticity Coordinate*4	x	$I_F=20mA$	-	0.45	-	
	y	$I_F=20mA$	-	0.41	-	
50% Power Angle	$2\theta_{1/2}$	$I_F=20mA$	-	150	-	deg

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

*2 Tolerance of measurements of luminous flux is ±15%

*3 Tolerance of measurements of color temperature is ±10%

*4 Tolerance of measurements of chromaticity coordinates is ±10%