

■ Features

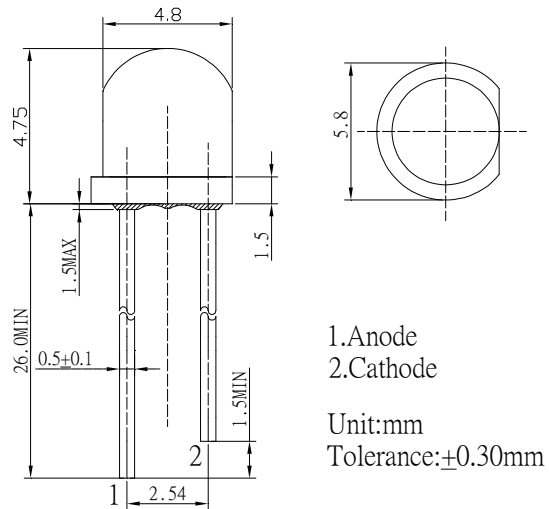
- High Luminous LEDs
- 4.8mm Straw Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

■ Applications

- Green House Applications
- Red : Blue LED Iv Ratio is 8:1*

*The ratio is summarized by the photosynthesis test on Phalaenopsis and provided from plant workshop in Taiwan.

■ Outline Dimension

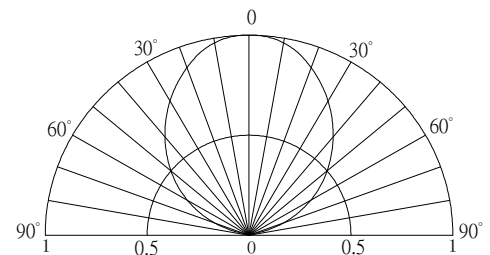


■ Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	70	mA
Pulse Forward Current*	I_{FP}	120	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	182	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	V_F	$I_F=20mA$	1.8	2.1	2.6	V
DC Reverse Current	I_R	$V_R=5V$	-	-	10	μA
Peak Wavelength*	λ_p	$I_F=20mA$	650	660	670	nm
Luminous Intensity*	I_v	$I_F=20mA$	1120	1560	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20mA$	-	100	-	deg

*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

■ Maximum Forward Current

