

## Features

High Luminous LEDs  
5mm Round 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.

## Absolute Maximum Rating

(Ta=25 °C)

Item	Symbol	Value	Unit
DC Forward Current	$I_F$	50	mA
Pulse Forward Current*	$I_{FP}$	120	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	130	mW
Operating Temperature	$T_{opr}$	-30 ~ +85	
Storage Temperature	$T_{stg}$	-40 ~ +100	
Lead Soldering Temperature	$T_{sol}$	260 / 5sec	-

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

## Electrical -Optical Characteristics

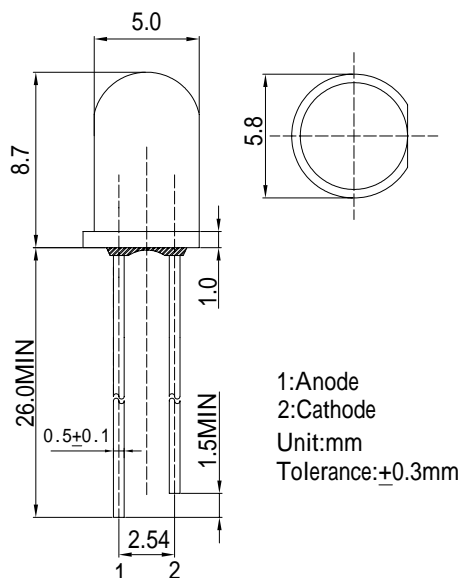
(Ta=25 °C)

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	$\mu A$
Peak Wavelength*	$\lambda_p$	$I_F=20mA$	650	660	670	nm
Luminous Intensity*	$I_v$	$I_F=20mA$	12000	14400	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20mA$	-	30	-	deg

\*1 Tolerance of Peak wavelength is  $\pm 1nm$

\*2 Tolerance of luminous intensity is  $\pm 15\%$

## Outline Dimension



## Directivity

