

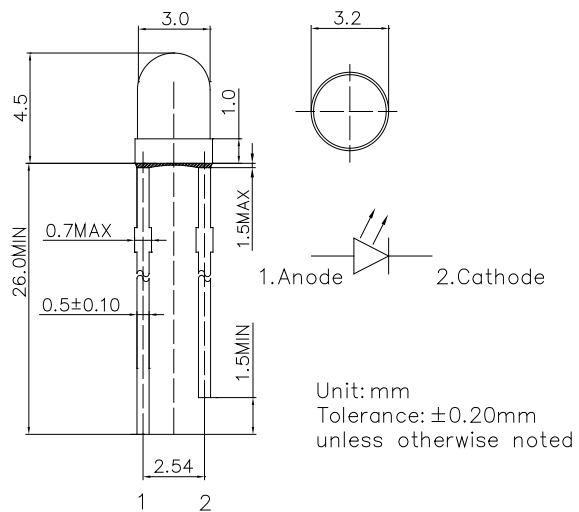
■Features

- High Luminous LEDs
- 3mm Round Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

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

■Outline Dimension



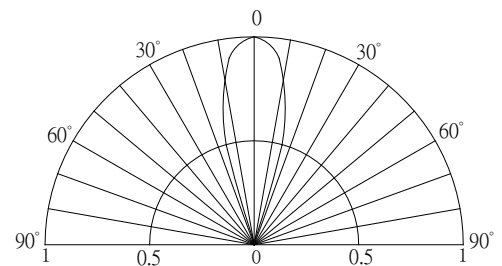
■Absolute Maximum Rating

(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*1	V_F	$I_F=20mA$	1.8	2.1	2.6	V
DC Reverse Current	I_R	$V_R=5V$	-	-	10	μA
Domi. Wavelength*2	λ_D	$I_F=20mA$	630	640	650	nm
Peak Wavelength*3	λ_p	$I_F=20mA$	650	660	670	nm
Luminous Intensity*4	I_v	$I_F=20mA$	5800	7000	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20mA$	-	30	-	deg

*1 Tolerance of measurements of forward voltage is $\pm 0.1V$

*2 Tolerance of measurements of dominant wavelength is $\pm 1nm$

*3 Tolerance of measurements of peak wavelength is $\pm 1nm$

*4 Tolerance of measurements of luminous intensity is $\pm 15\%$

LED & Application Technologies

