

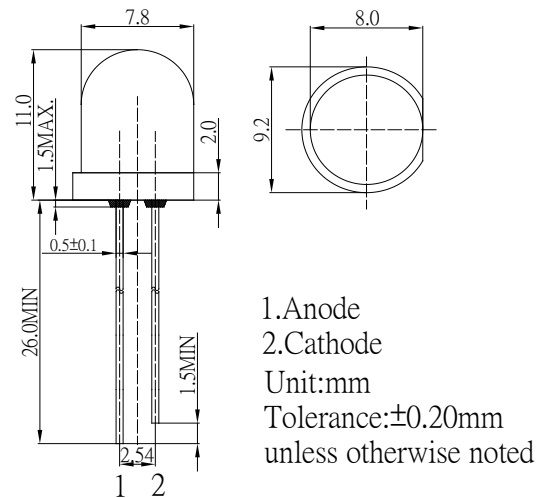
■Features

- High Radiant Flux
- 8mm Round Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

- Counterfeit Detection
- NDT Crack Detection
- Fluid Leak Detection
- Forensic Science/Infection Control

■Outline Dimension

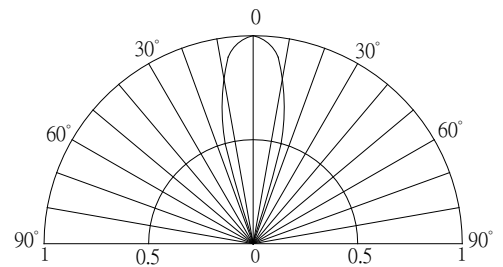


■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	30	mA
Pulse Forward Current#	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	114	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	$I_F=20mA$	-	3.4	3.8	V
DC Reverse Current	I_R	$V_R=5V$	-	-	10	μA
Peak Wavelength*	λ_p	$I_F=20mA$	410	415	420	nm
Radiant flux*	Φ_e	$I_F=20mA$	12	14	-	mW
50% Power Angle	$2\theta_{1/2}$	$I_F=20mA$	-	30	-	deg

*1 Tolerance of measurements of peak wavelength is ±1nm

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

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

LED & Application Technologies

